

(19)日本国特許庁 (JP)

(12) 公開特許公報 (A)

(11)特許出願公開番号

特開2000-59453

(P2000-59453A)

(43)公開日 平成12年2月25日(2000.2.25)

(51)Int.Cl.

H 04 L 27/34

H 04 J 3/00

識別記号

F I

H 04 L 27/00

H 04 J 3/00

テーマコード(参考)

E

H

審査請求 有 請求項の数63 O L 外国語出願 (全234頁)

(21)出願番号 特願平11-210936

(22)出願日 平成11年7月26日(1999.7.26)

(31)優先権主張番号 094106

(32)優先日 平成10年7月24日(1998.7.24)

(33)優先権主張国 米国(US)

(71)出願人 598011983

ヒューズ・エレクトロニクス・コーポレーション

アメリカ合衆国、カリフォルニア州
90245、エル・セグンド、ノース・セブル
ペーダ・ブルーバード 200

(72)発明者 スタンリー・イー・カイ

アメリカ合衆国、メリーランド州 20853、
ロックビル、フラワー・バレー・コート
15009

(74)代理人 100058479

弁理士 鈴江 武彦 (外4名)

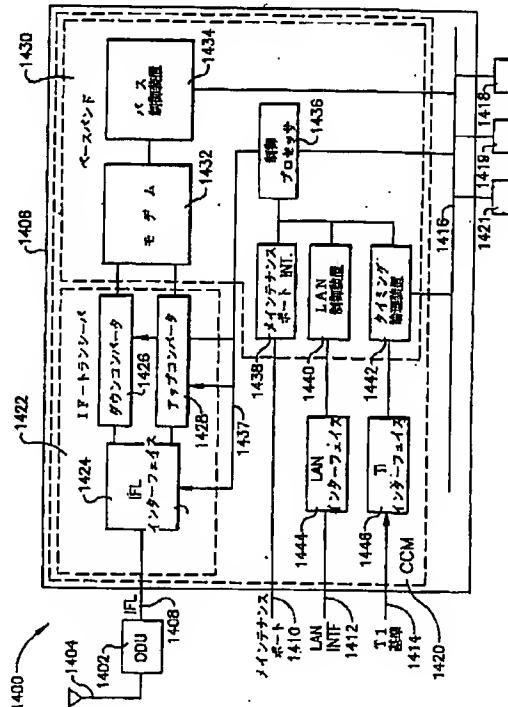
最終頁に続く

(54)【発明の名称】 多重変調無線通信

(57)【要約】

【課題】 マルチ変調モジュール(1100)からなる無線装置(1400)および無線通信の関連する方法において、マルチ変調モジュールは複数の変調を使用して信号を変調および復調する。

【解決手段】 無線装置はまたマルチ変調モジュールに結合されて信号を無線周波数に変換する周波数コンバータ(1402および1422)と、周波数コンバータに結合されるアンテナ(1404)を含み信号を無線通信リンク(118)によって送信するトランシーバ装置とを備えている。マルチ変調モジュールは変調セレクタ装置(1114)を含む変調器(1102)を含んでおり、変調セレクタ装置は信号を復調するために複数の変調のそれぞれを選択する。マルチ変調モジュールはまた複数の変調を使用して変調された信号を復調するための復調器(1104)を含んでいる。



1/42

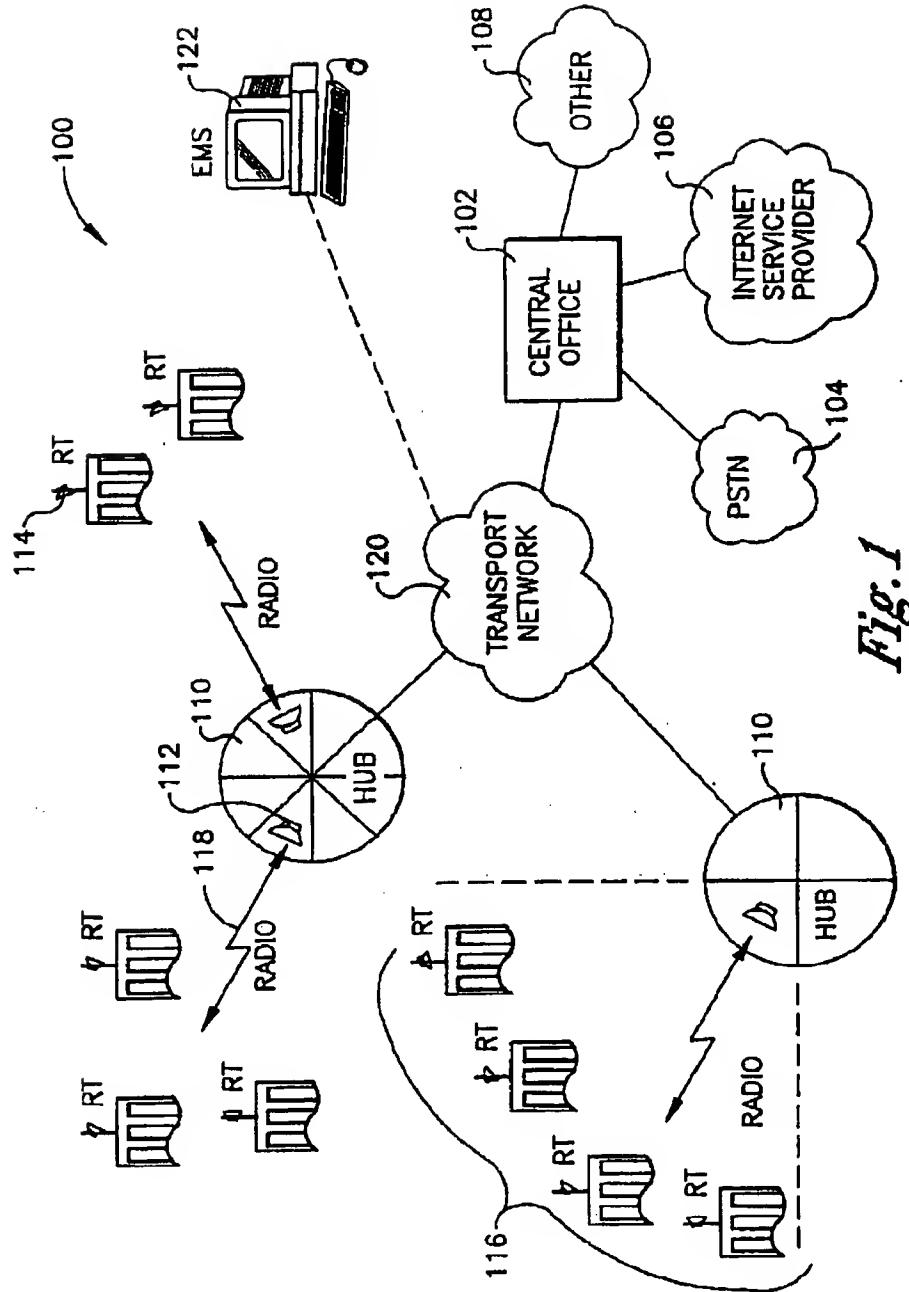


Fig. 1

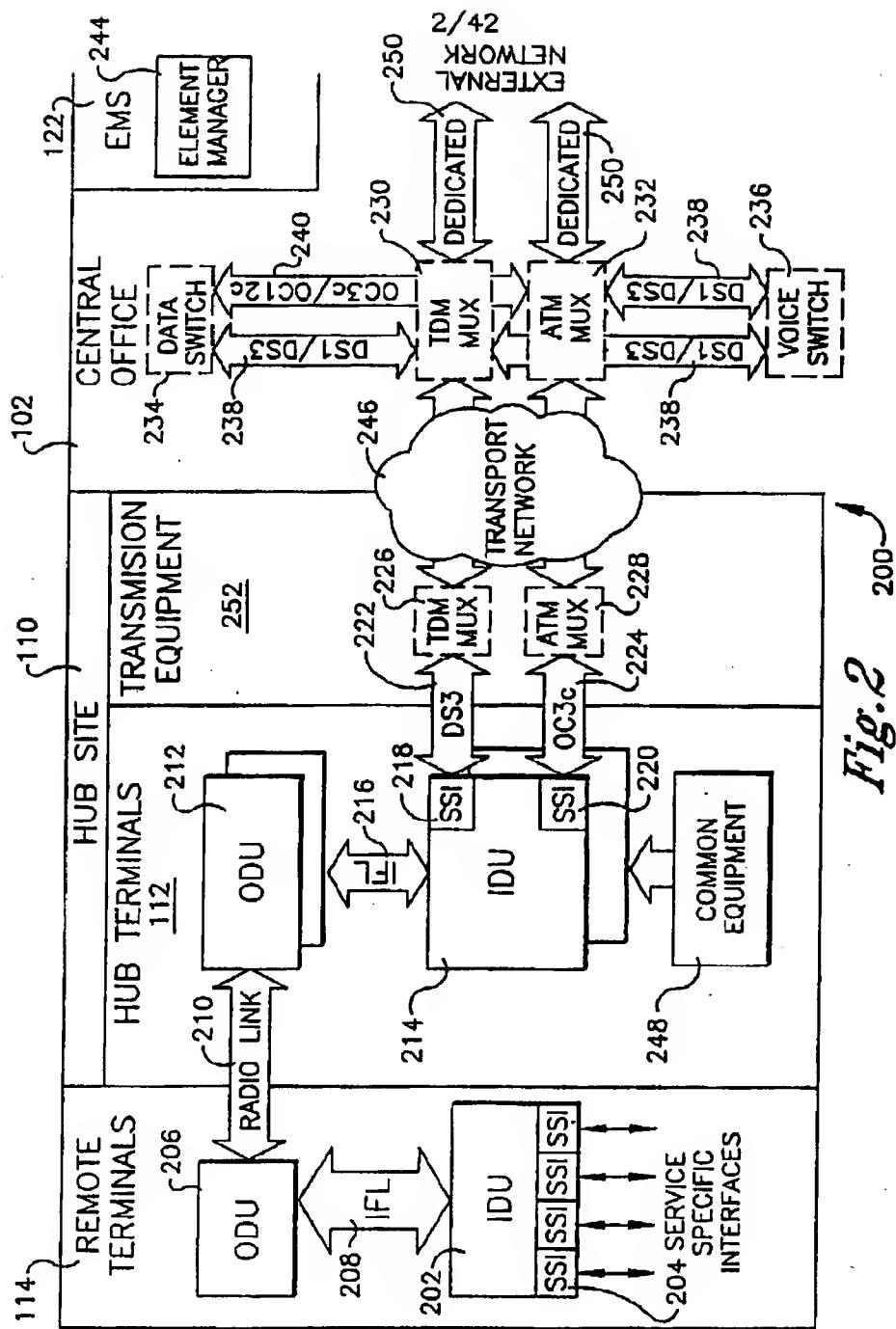


Fig. 2 200

3/42

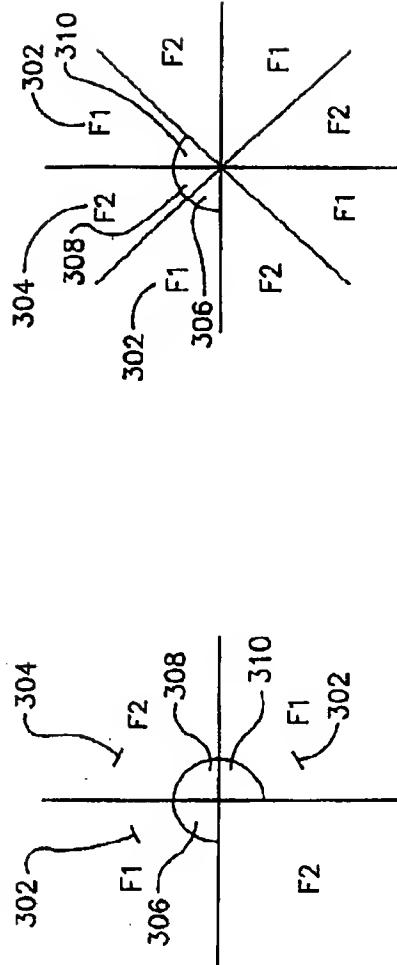


Fig. 3B

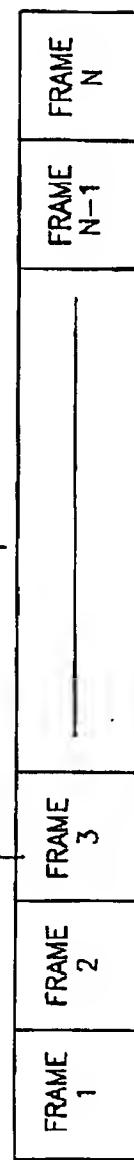
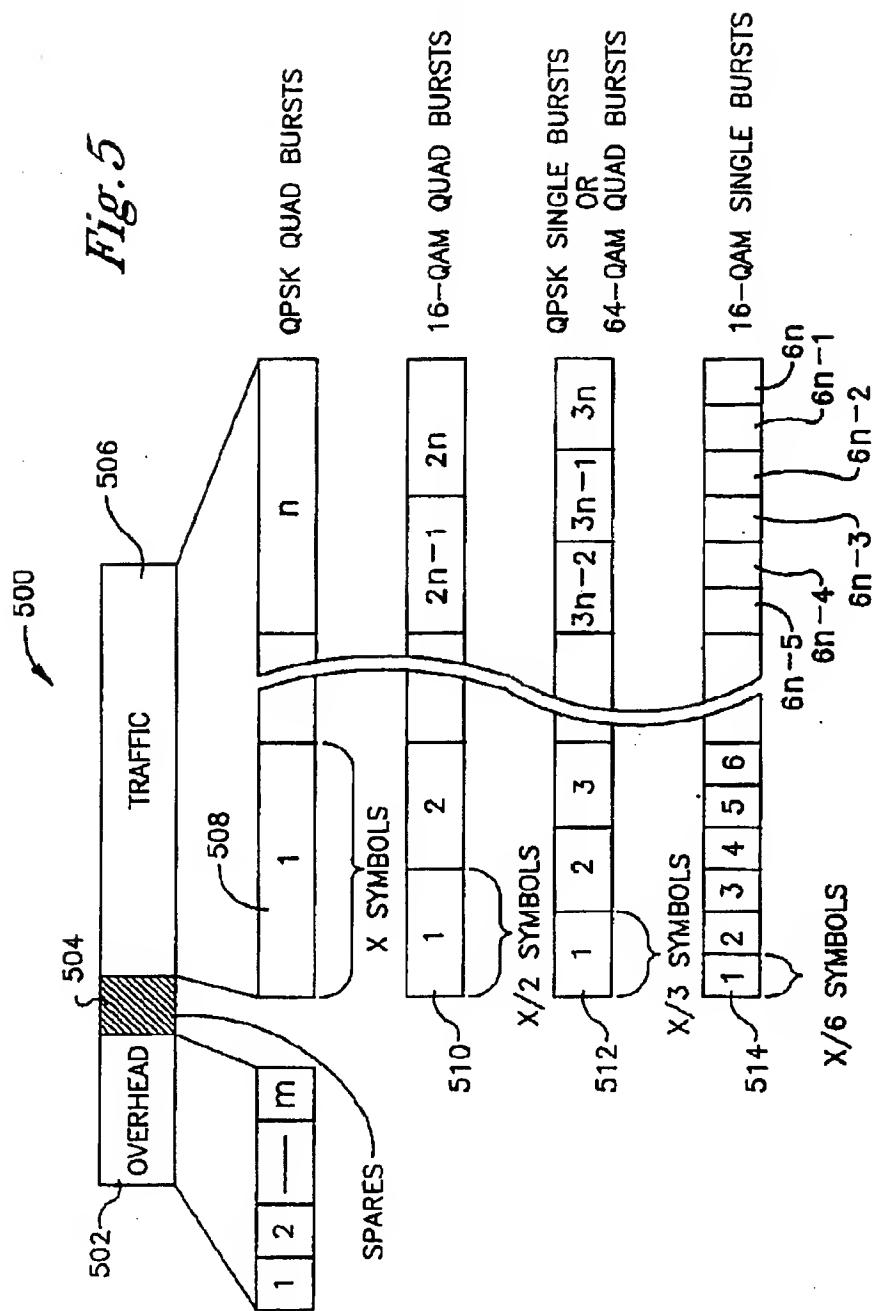
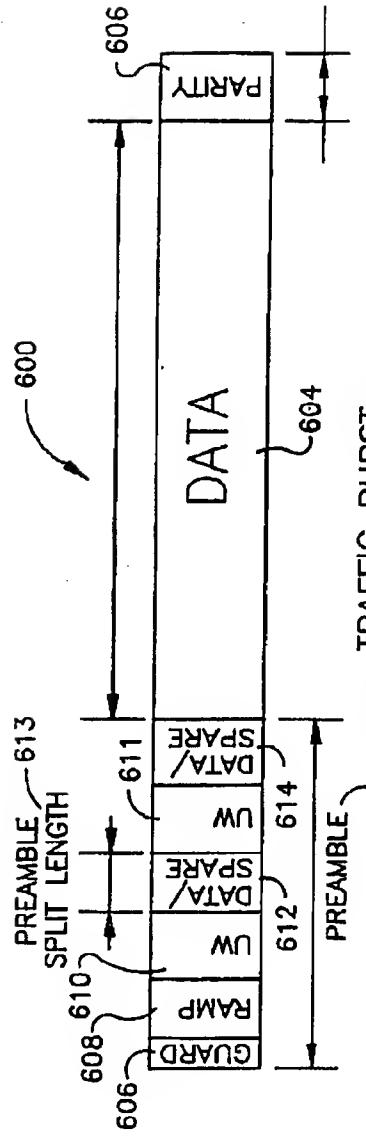
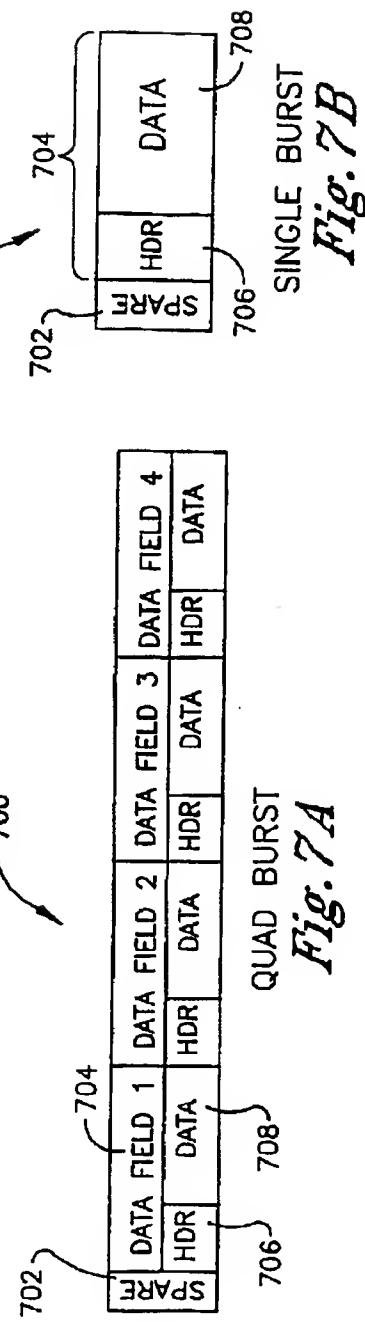


Fig. 4

+/-42



5/42

*Fig. 6*TRAFFIC BURST
INCLUDING SPLIT PREAMBLE*Fig. 7B**Fig. 7A*

6/42

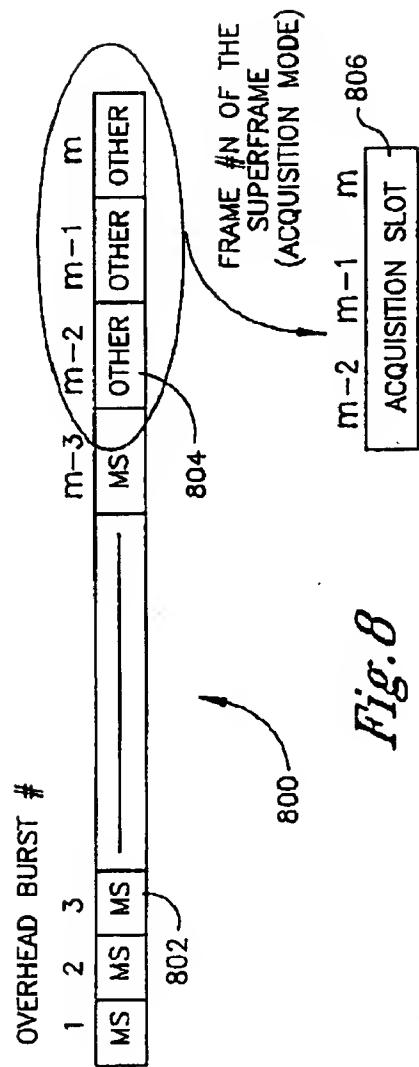


Fig. 8

7/42

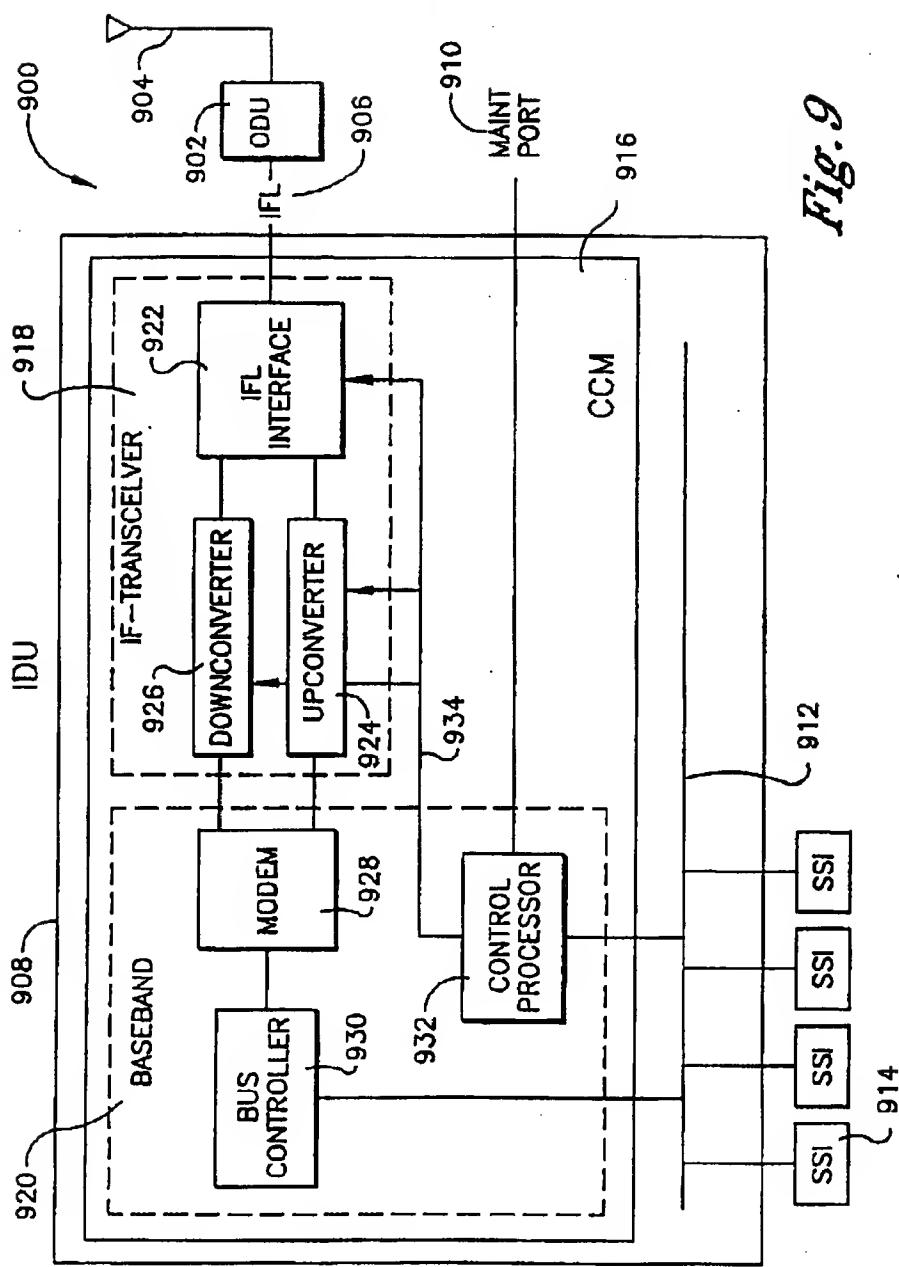


Fig. 9

8/42

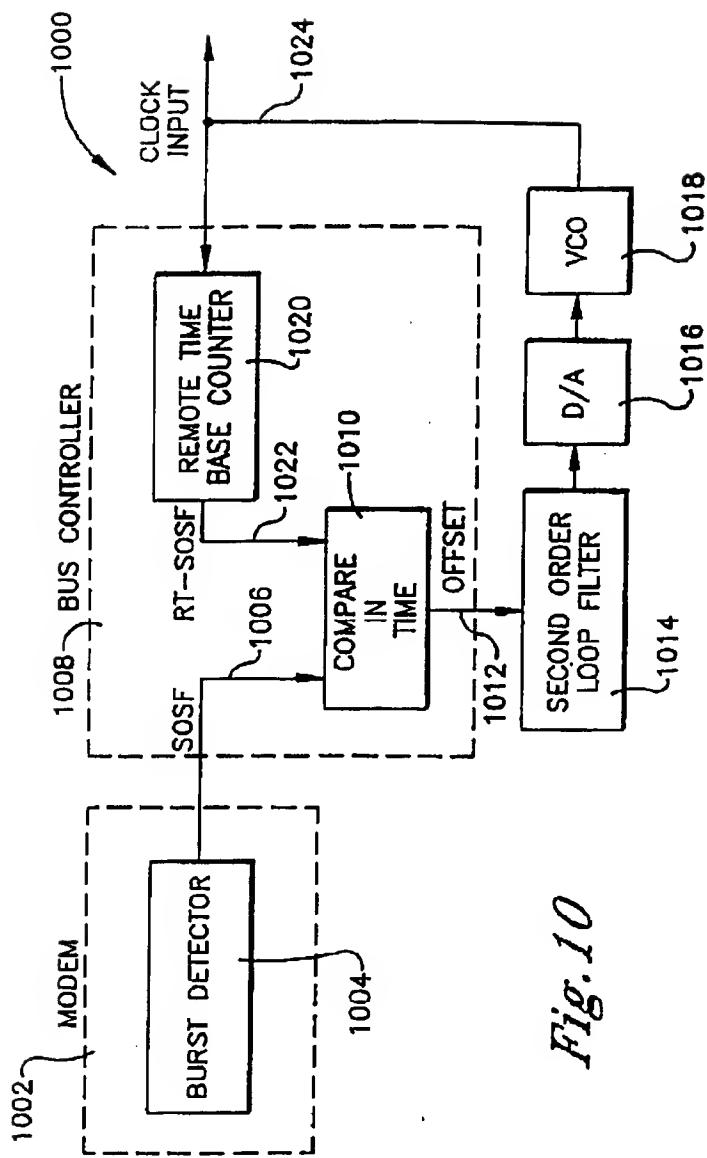
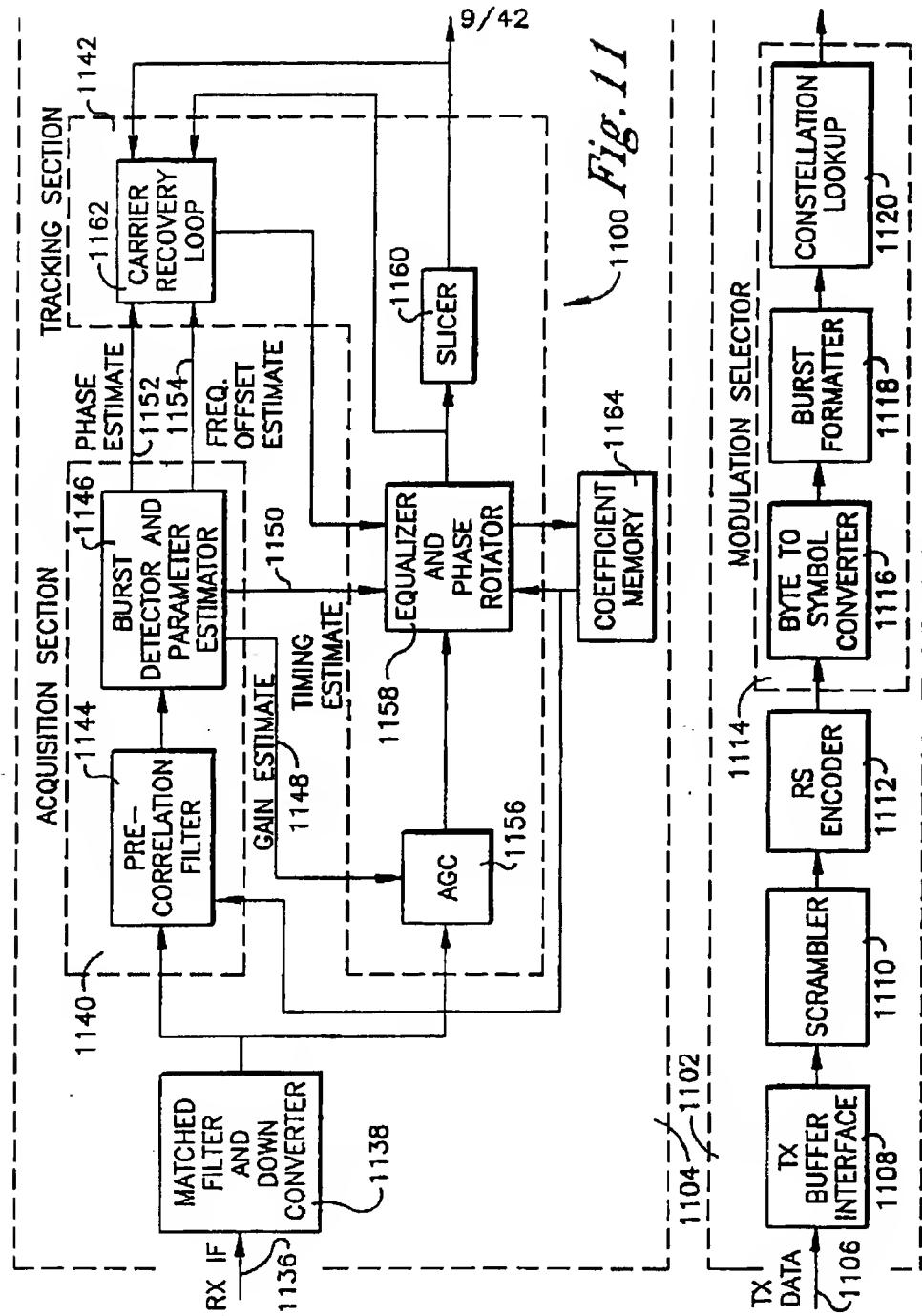
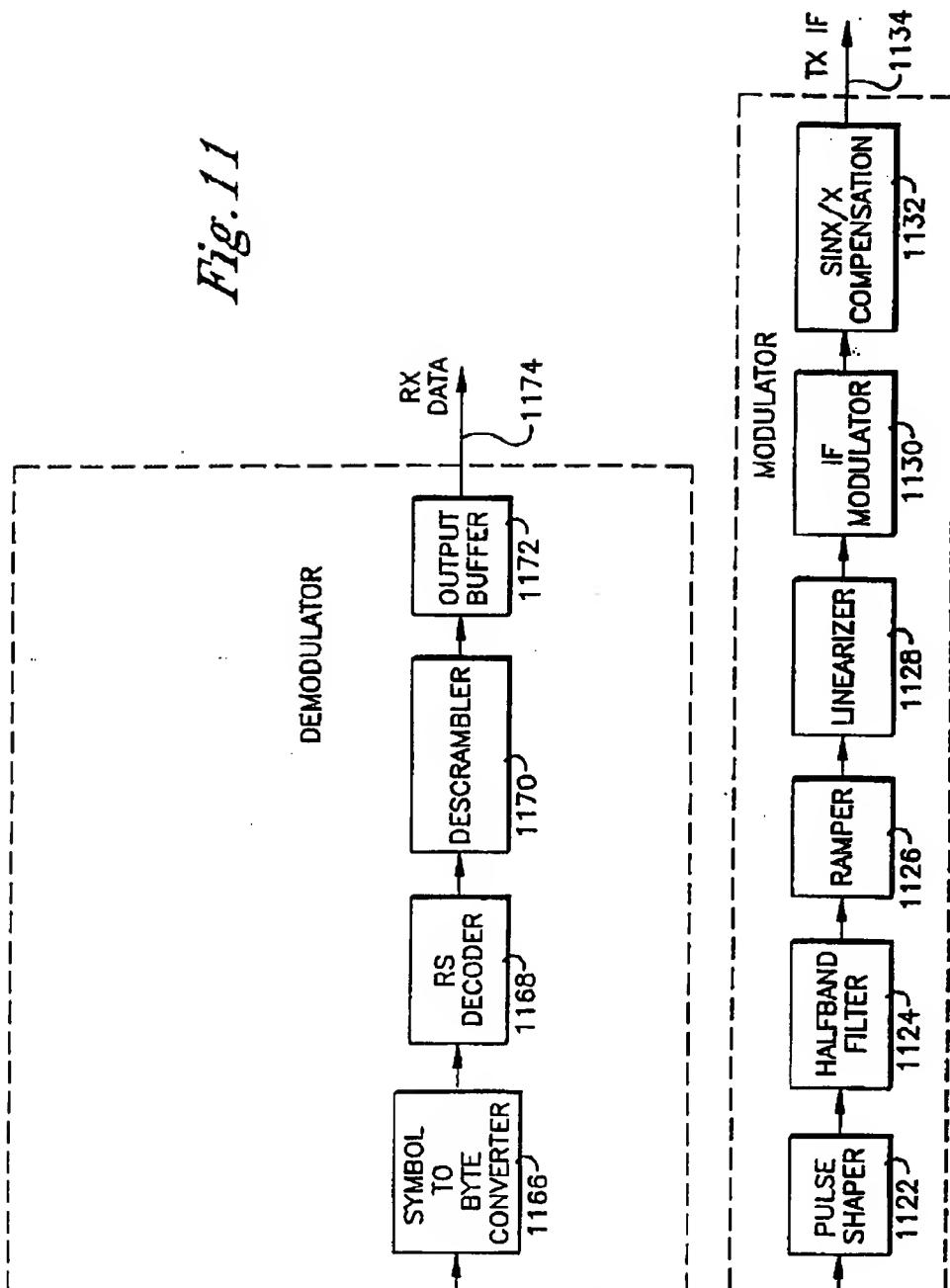


Fig. 10



10/42

Fig. 11



11/42

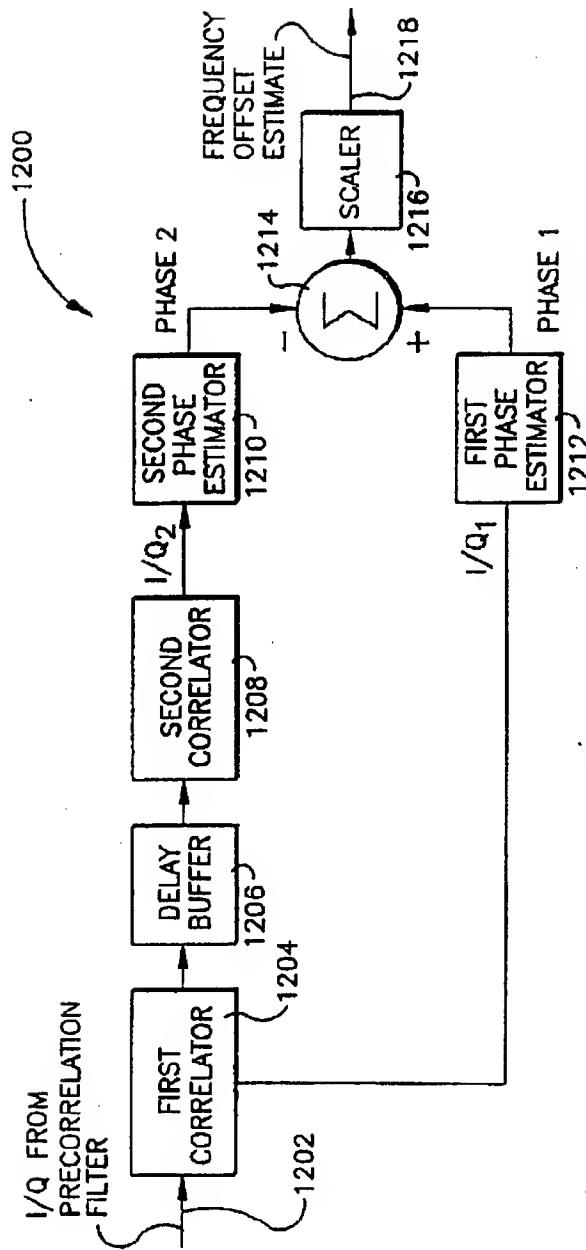
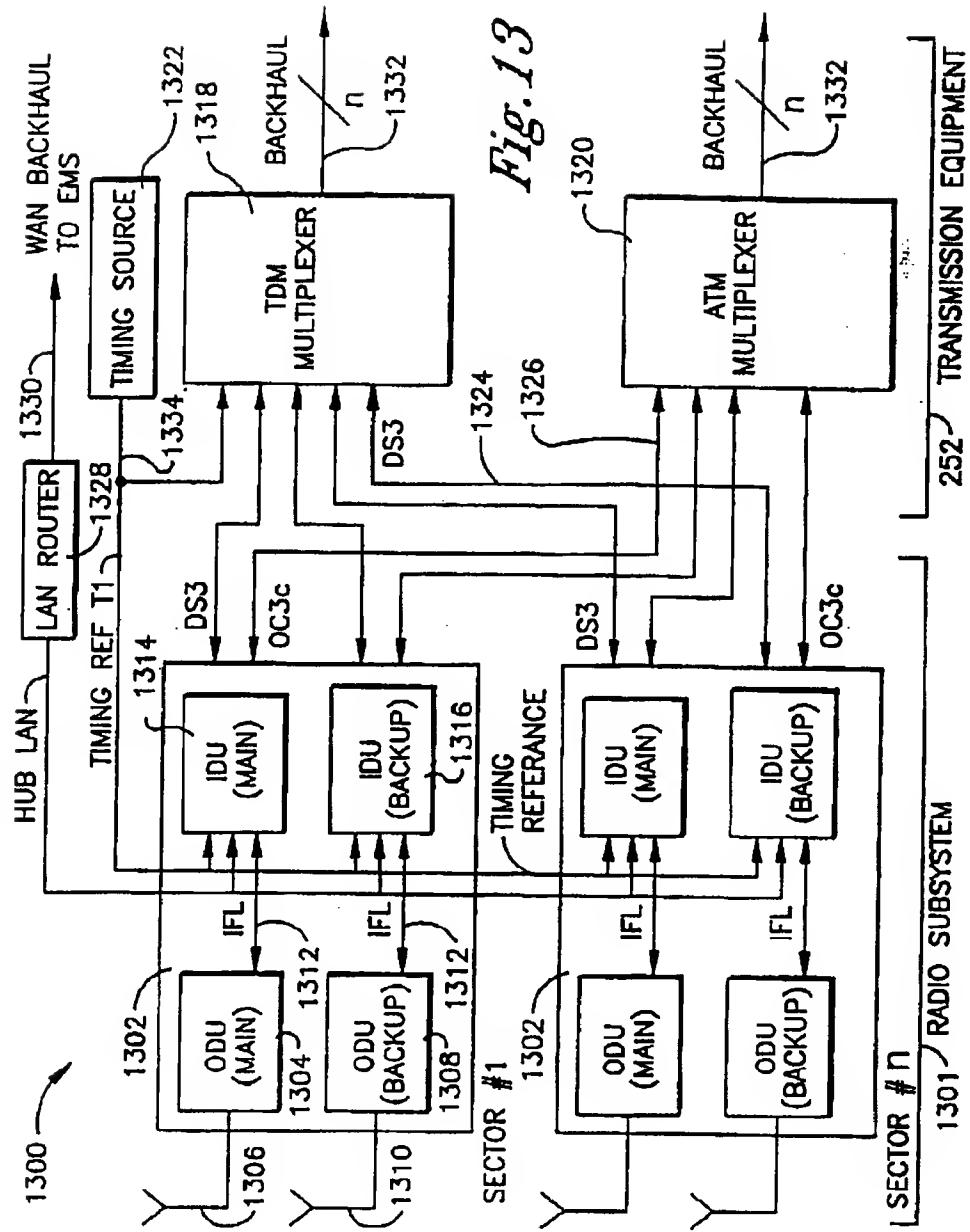


Fig. 12

12/42



13/42

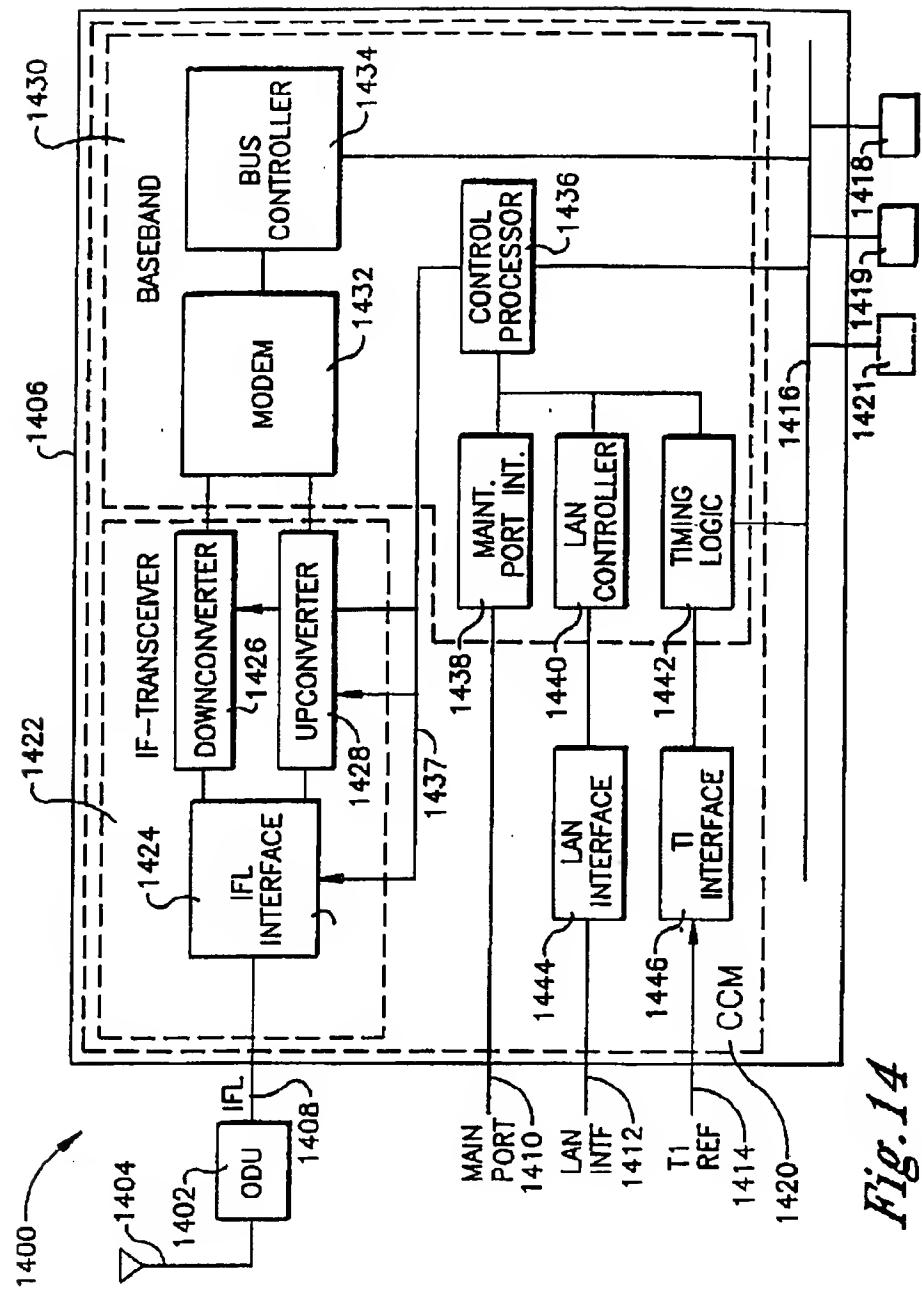
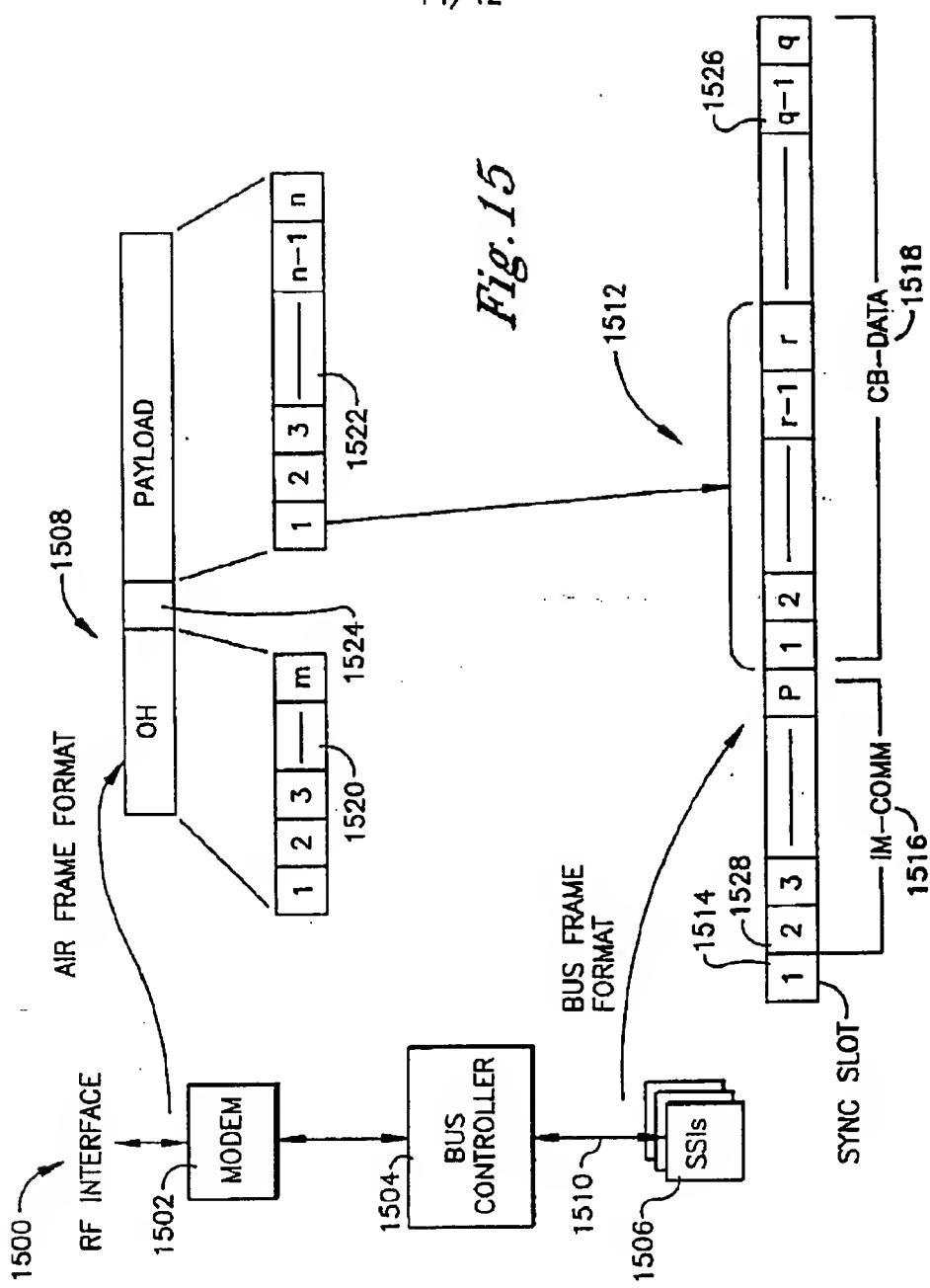


Fig. 14

14/42



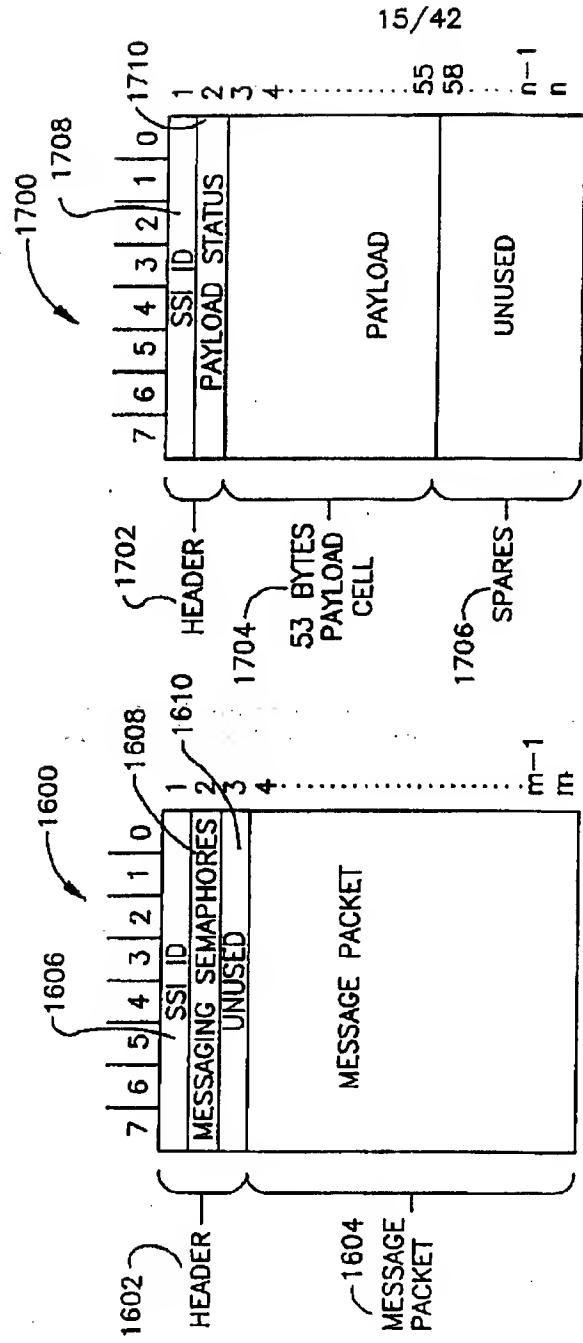


Fig. 17

Fig. 16

16/42

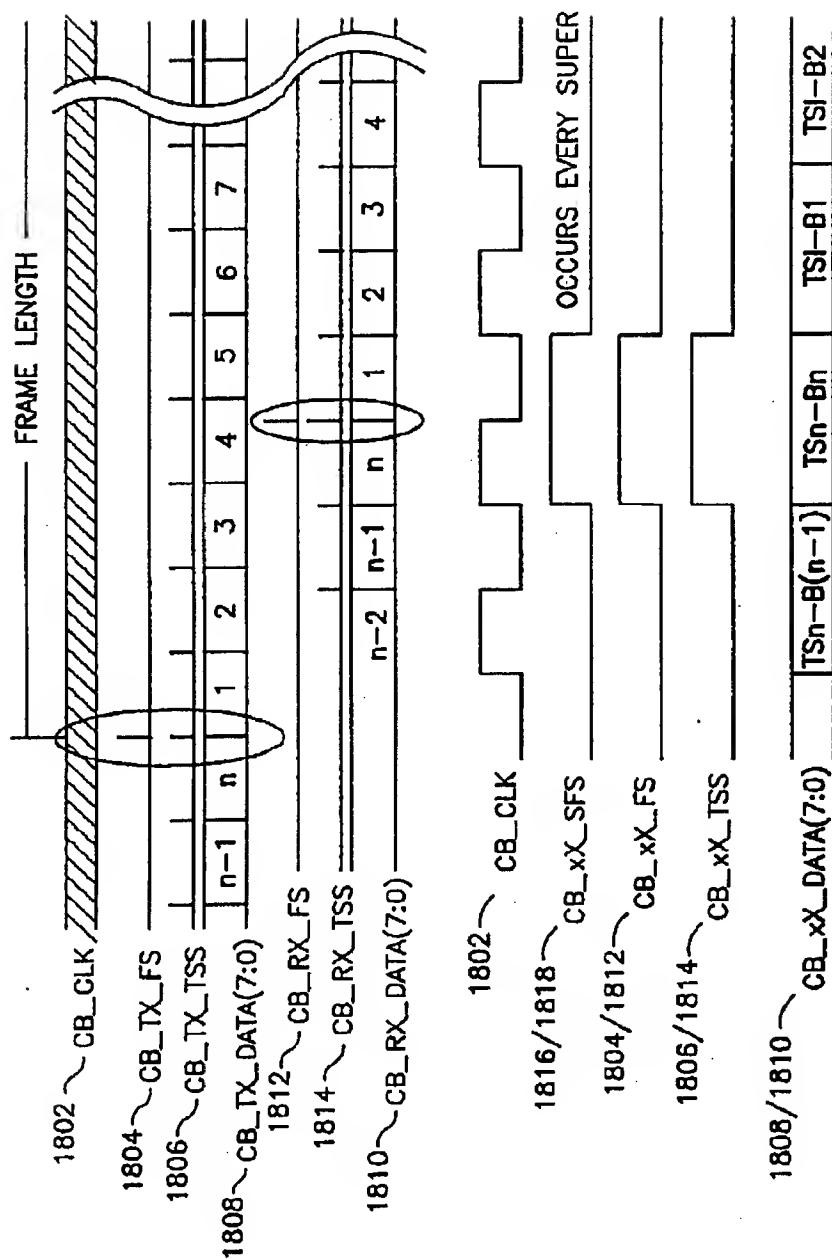
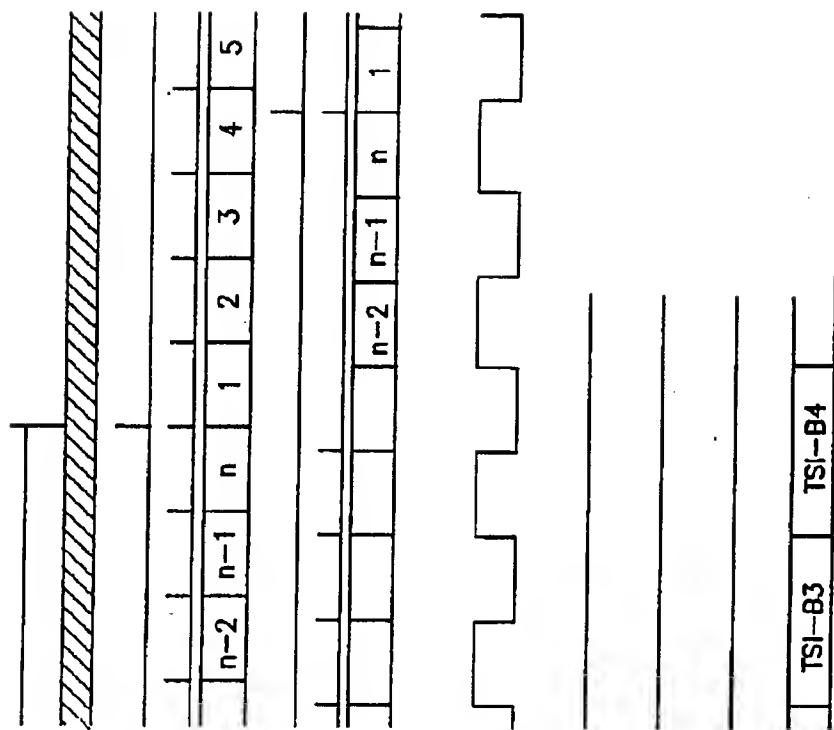


Fig. 18 CELL BUS TIMING

Fig. 18

18/42

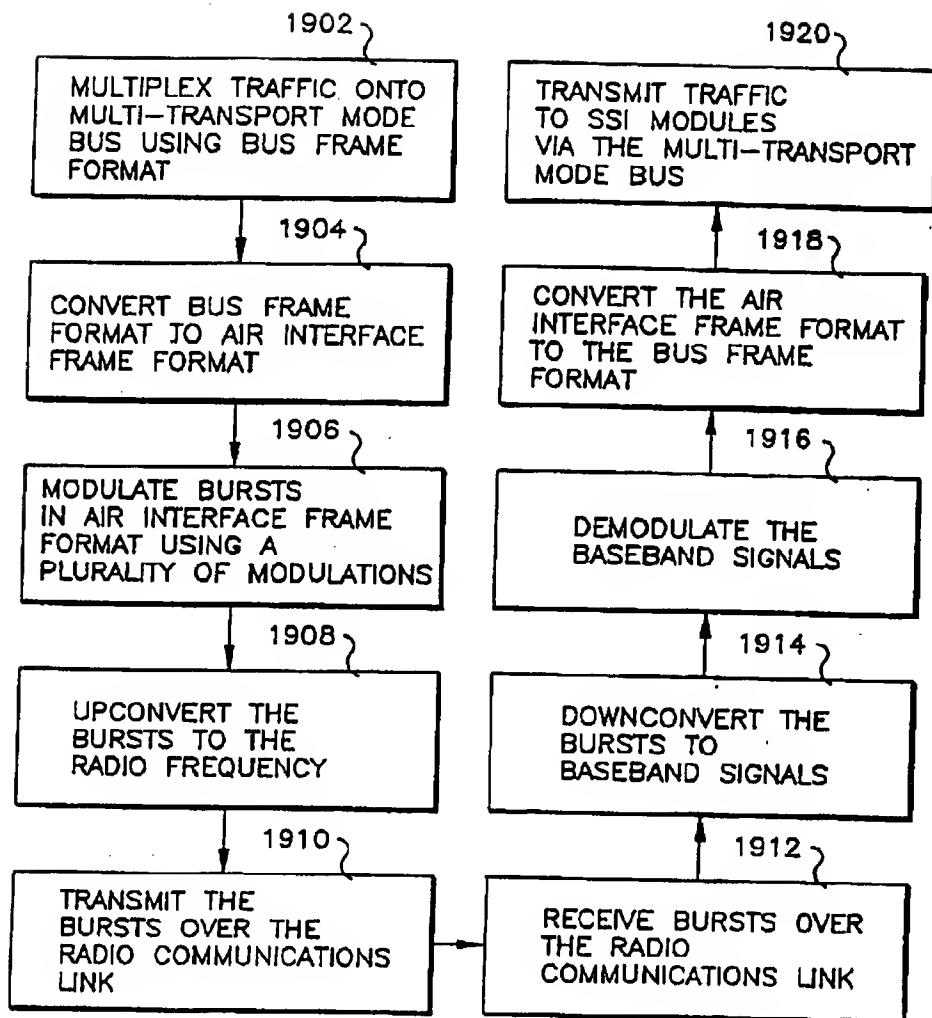


Fig. 19

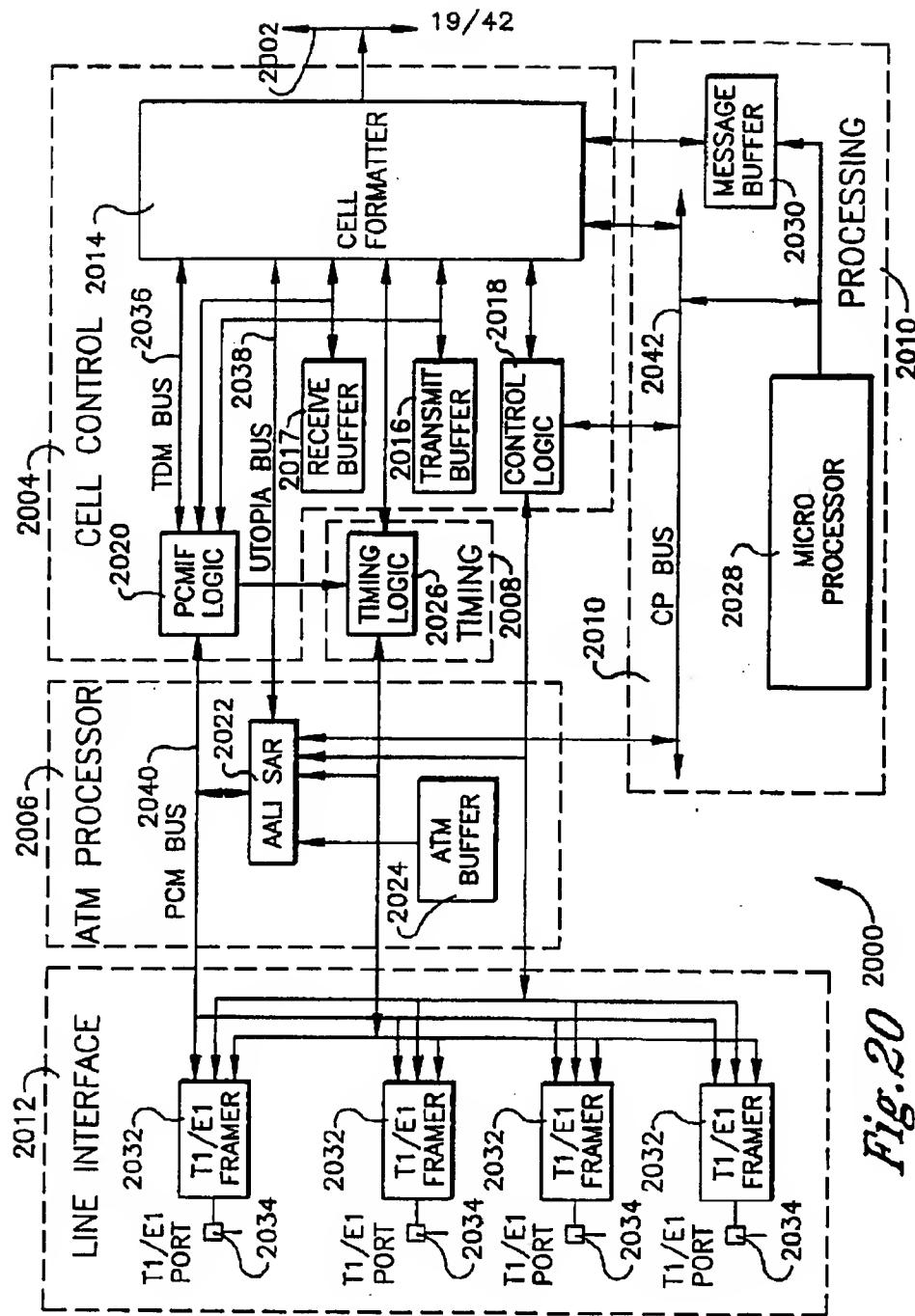


Fig. 20 2000

20/42

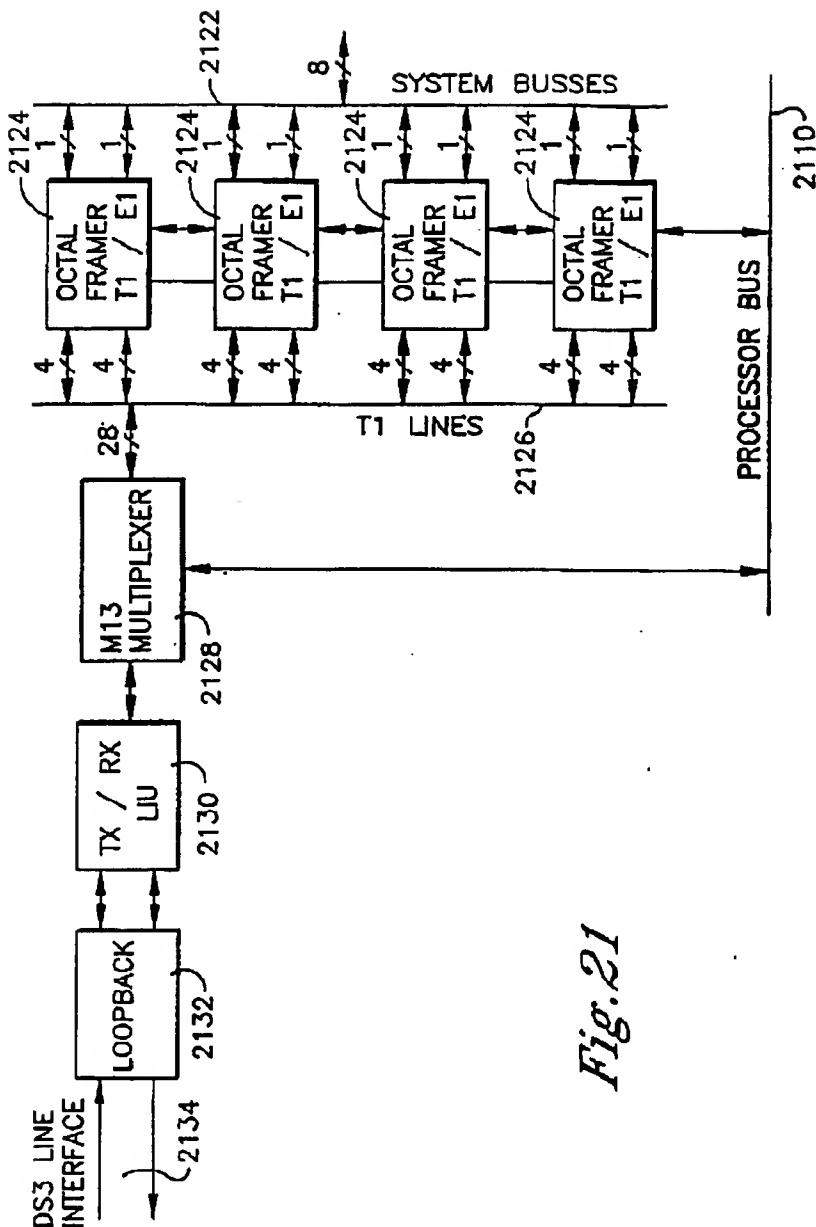
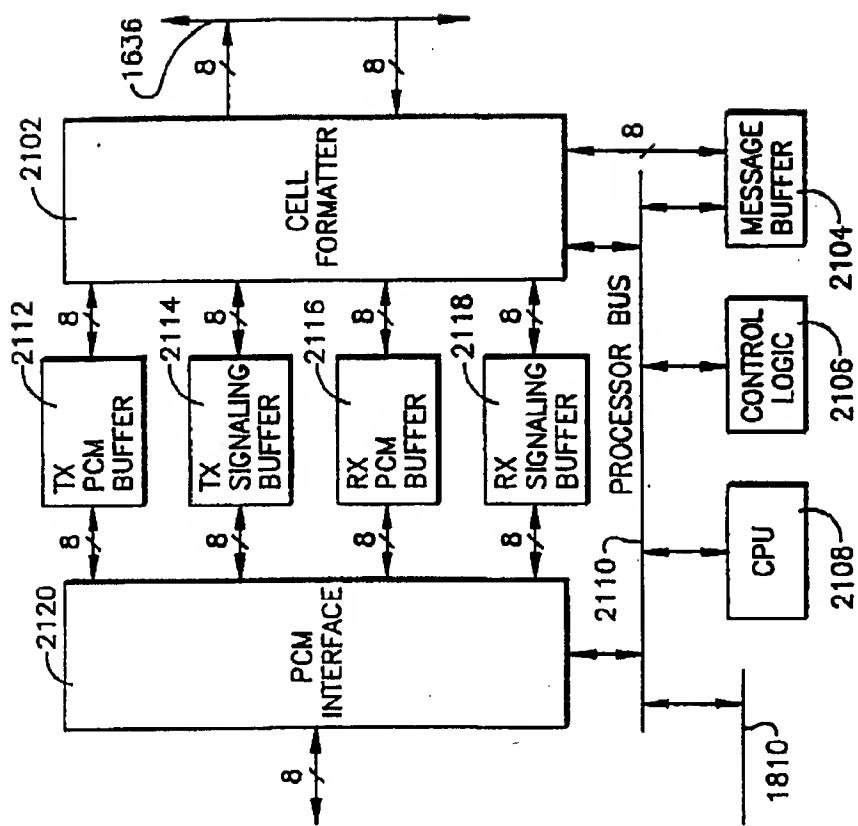


Fig.21

21/42

Fig. 21



22/42

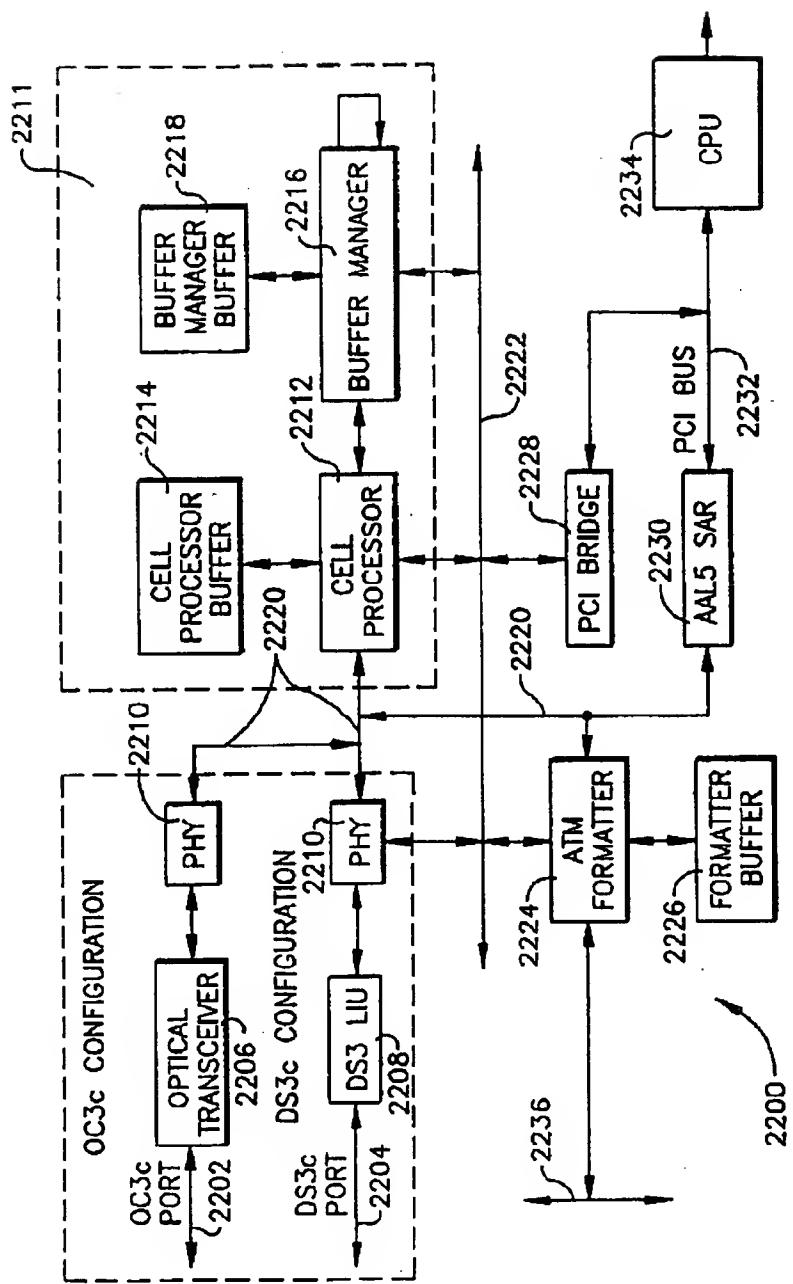


Fig. 22

23/42

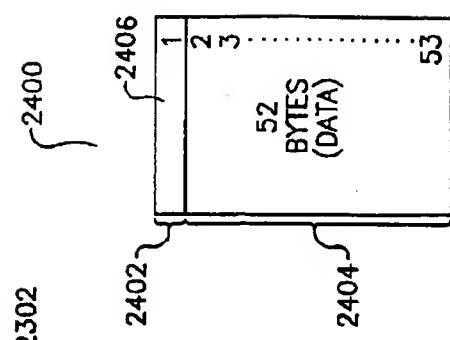


Fig.24

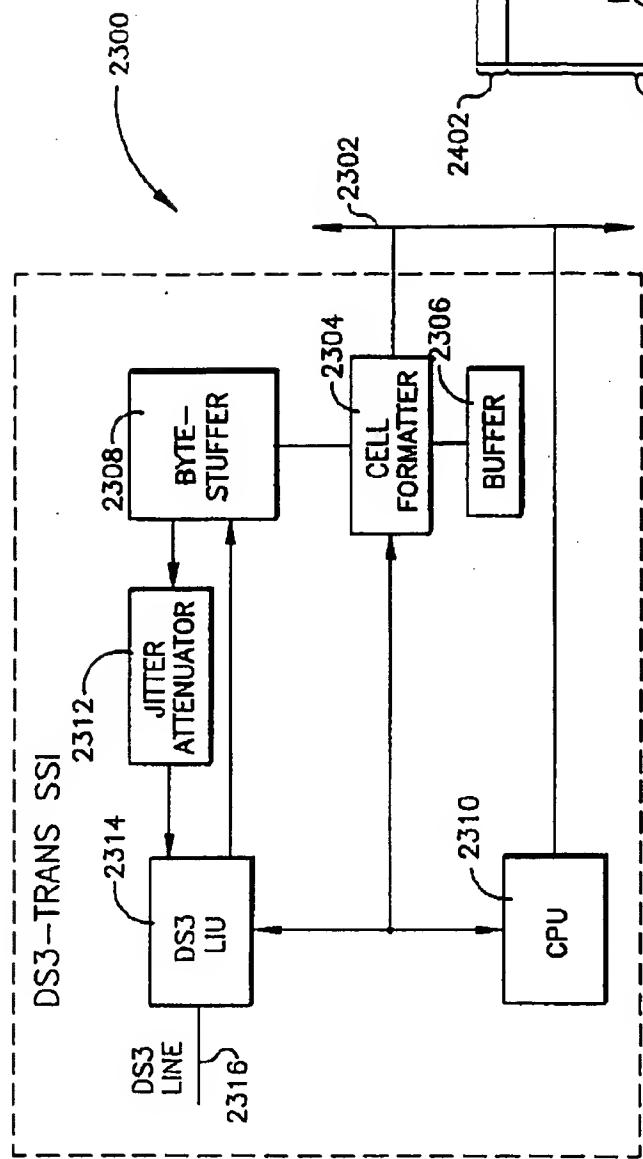


Fig.23

24/42

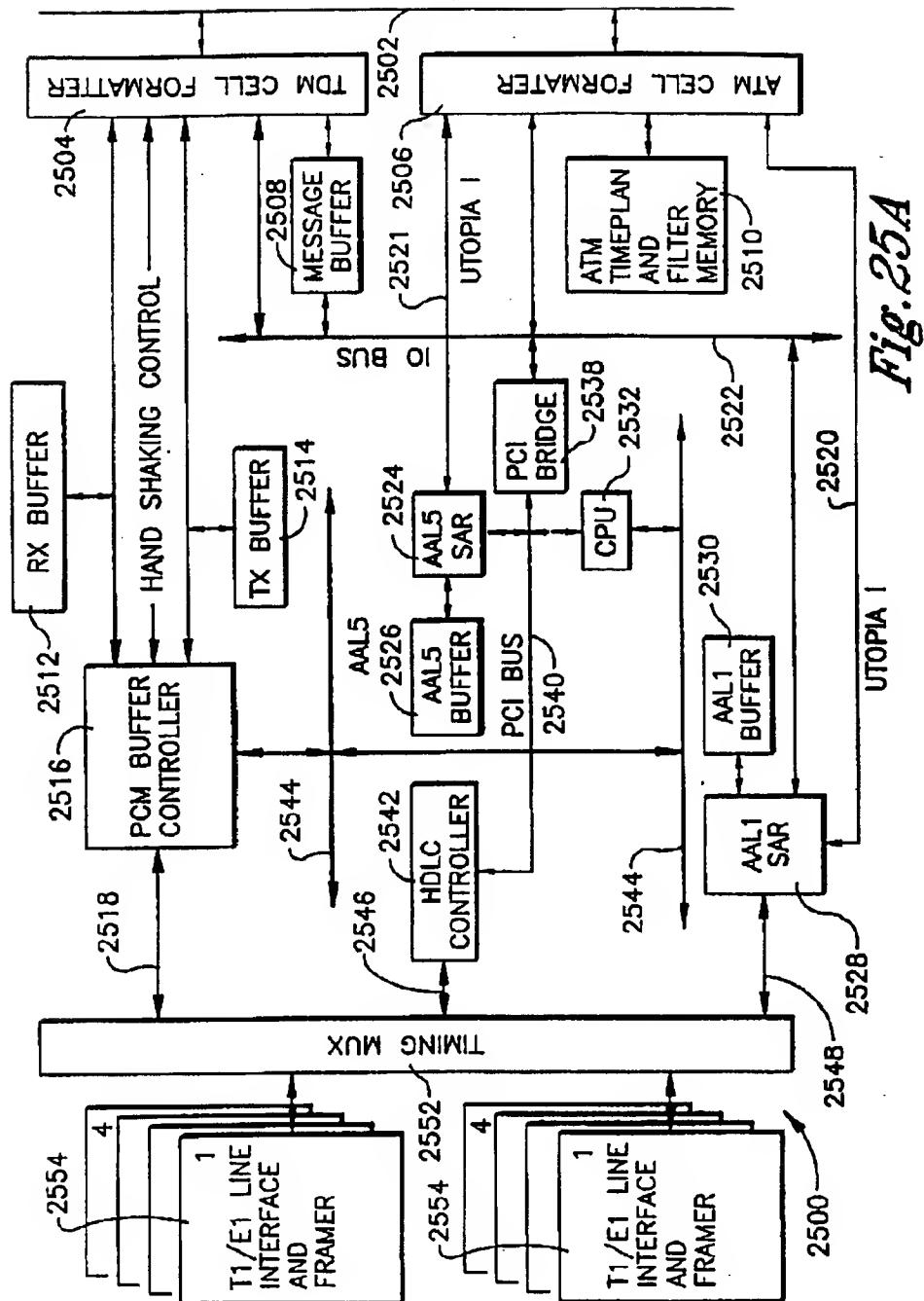


Fig. 25A

25/42

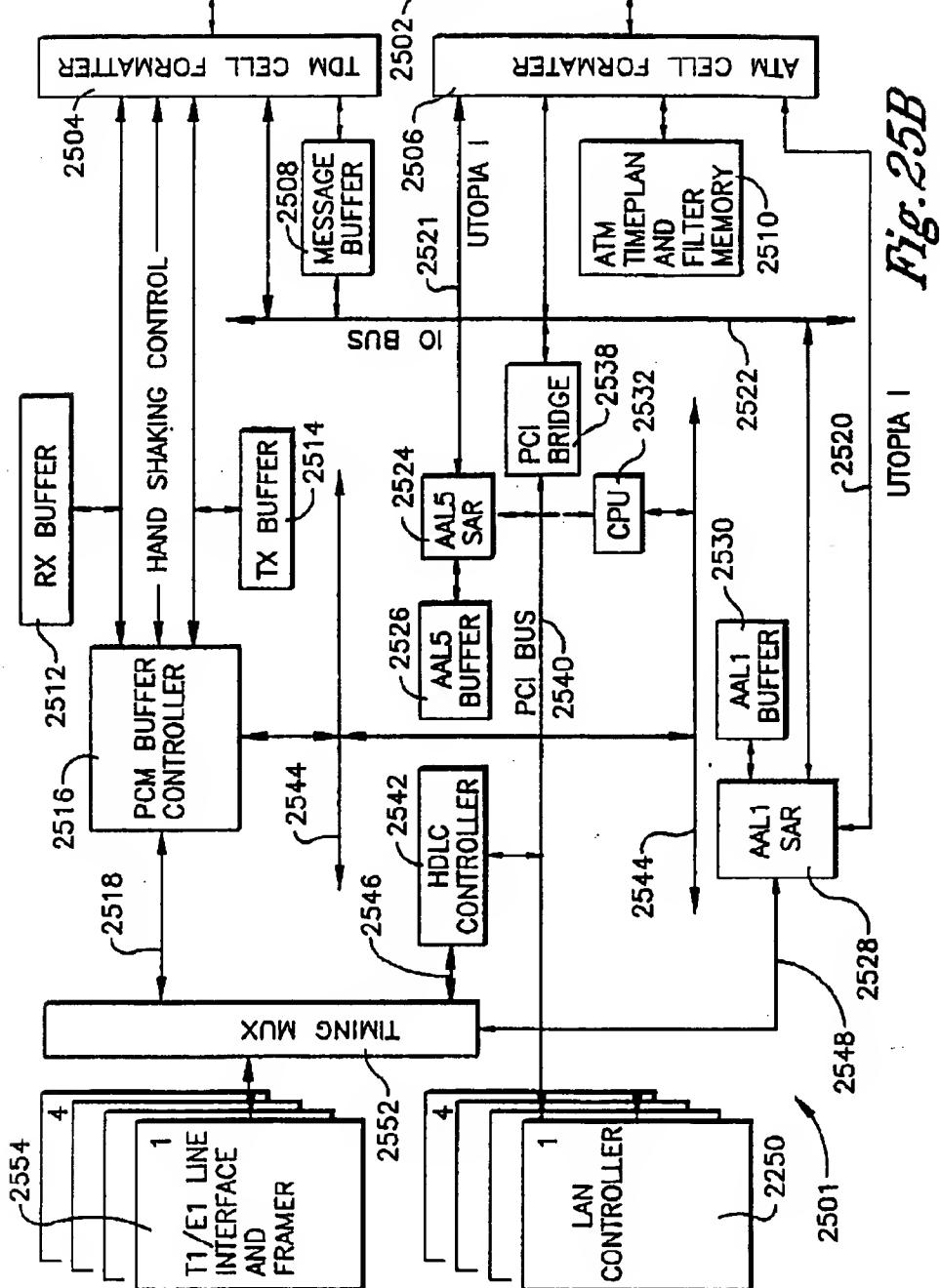


Fig. 25B

UTOPIA I

26/42

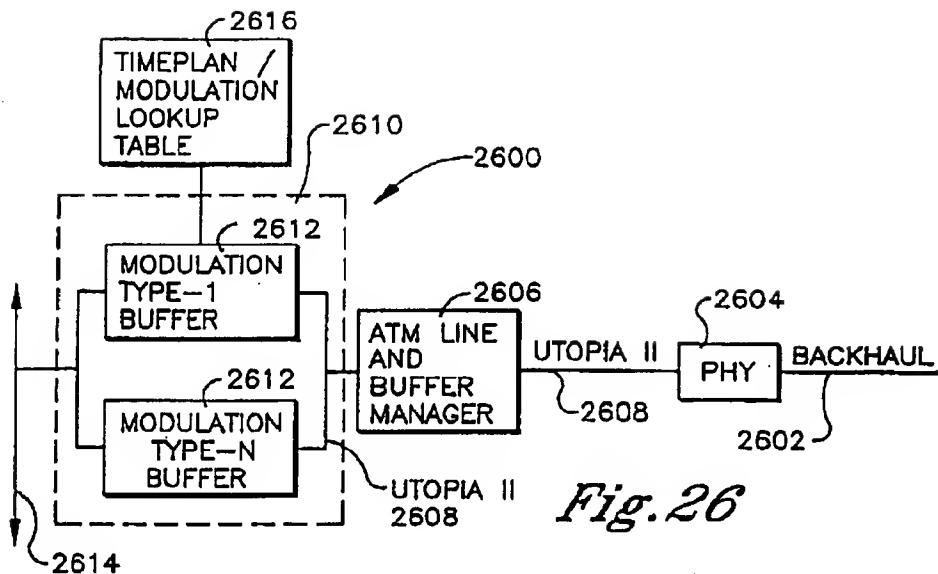
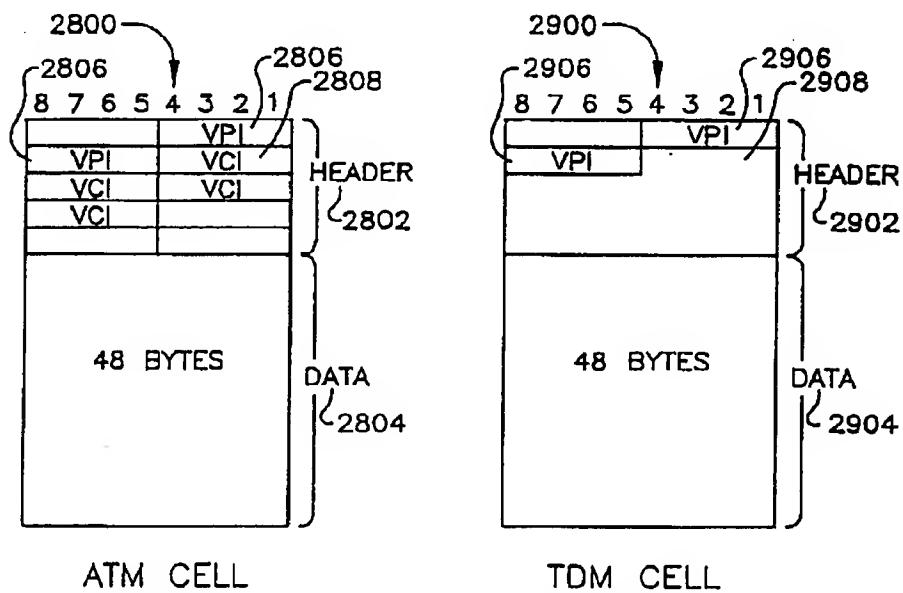


Fig. 26



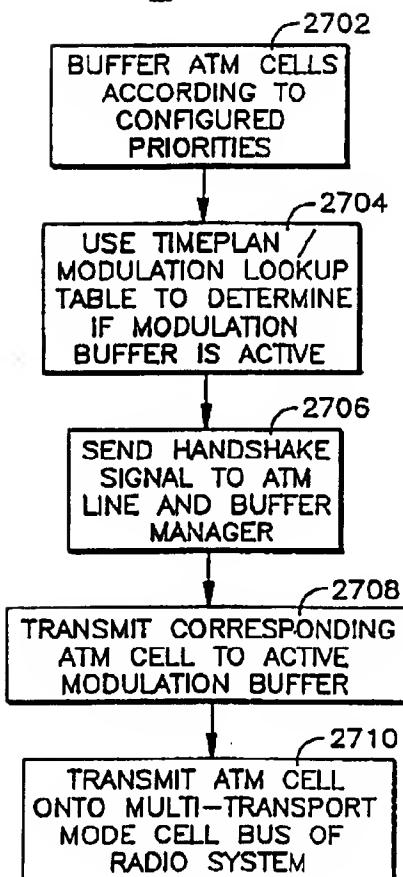
ATM CELL

Fig. 28

TDM CELL

Fig. 29

27/42

Fig. 27

28/42

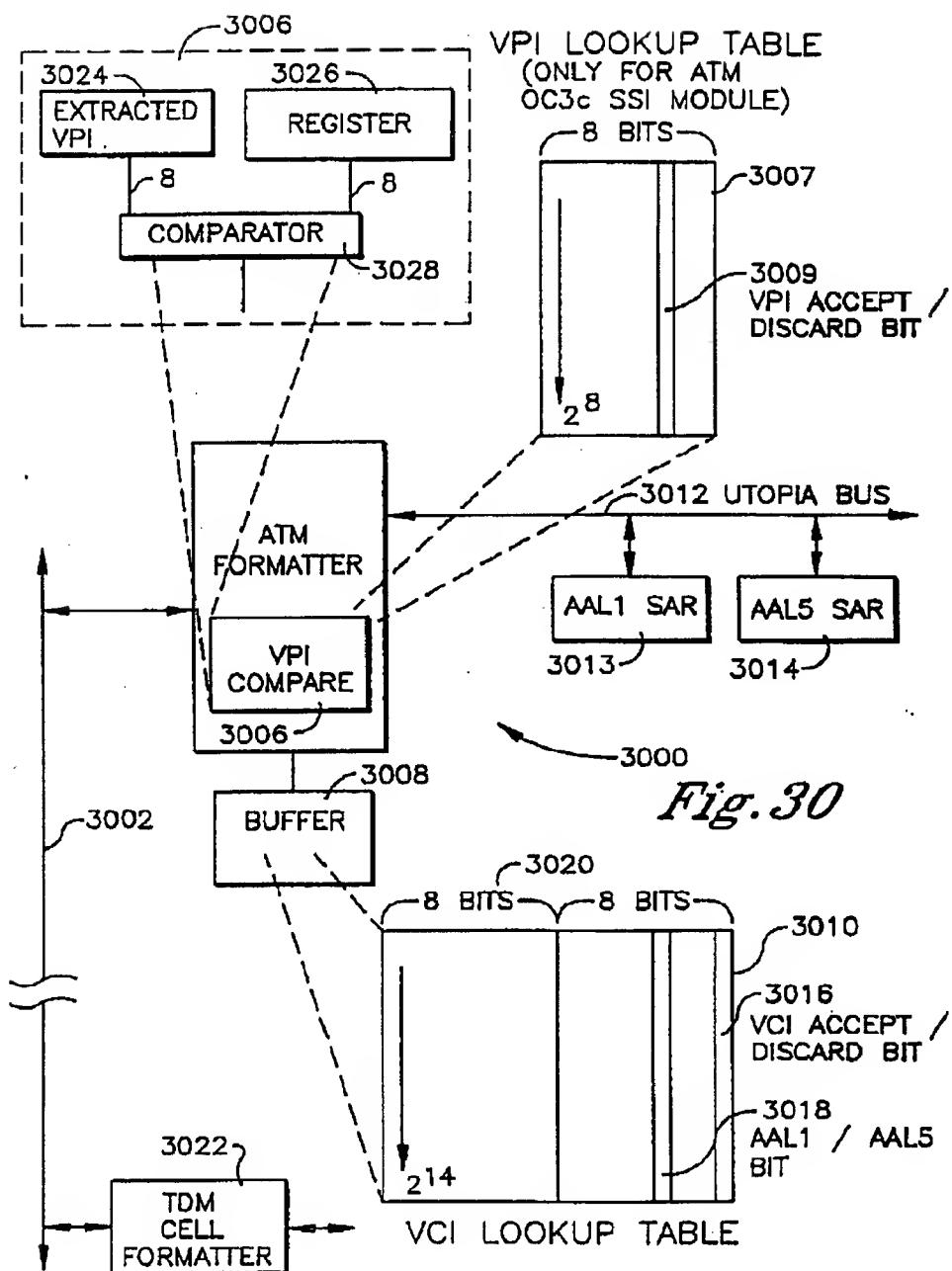
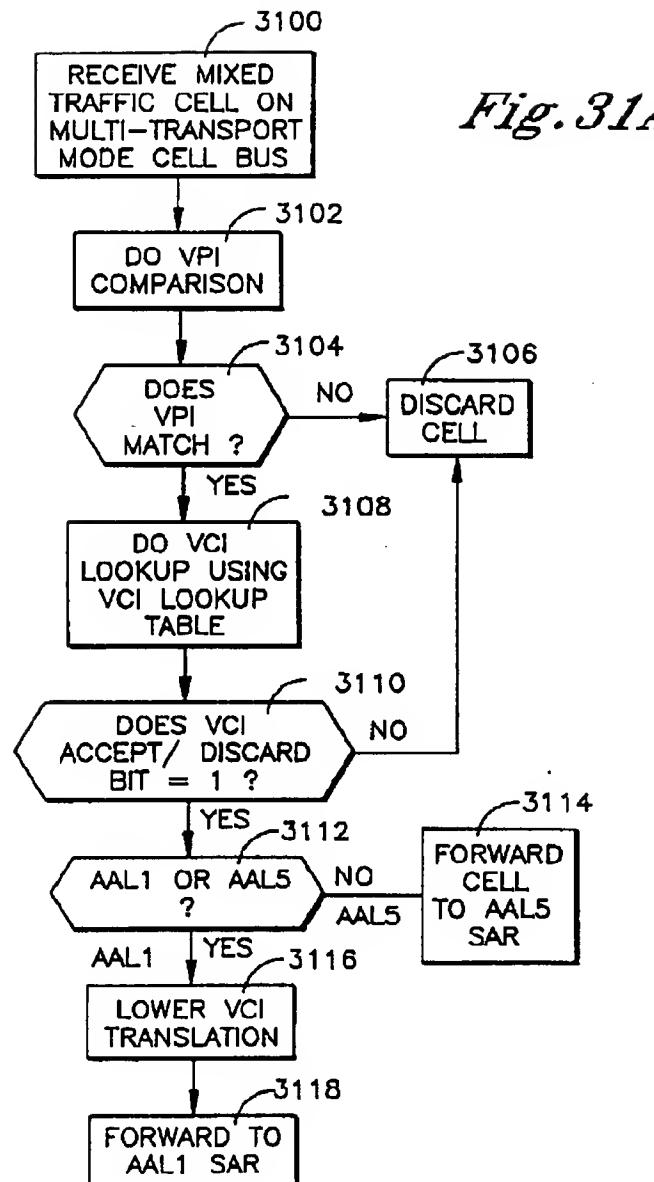


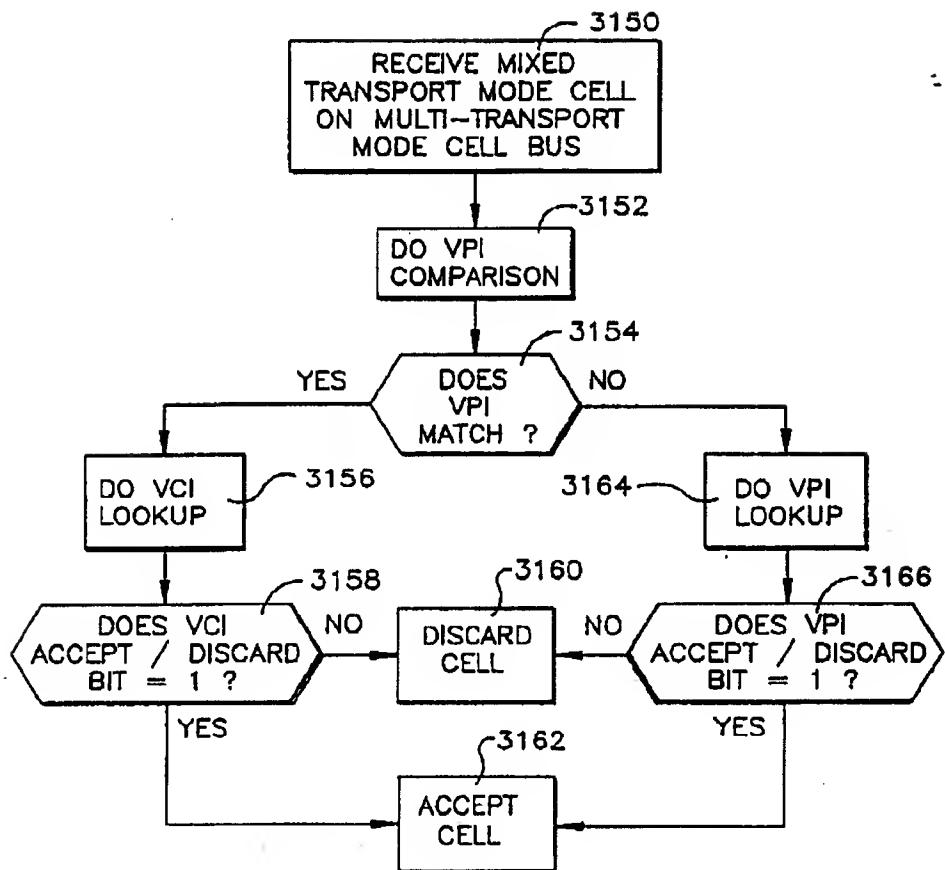
Fig. 30

29/42



30/42

Fig. 31B



31/42

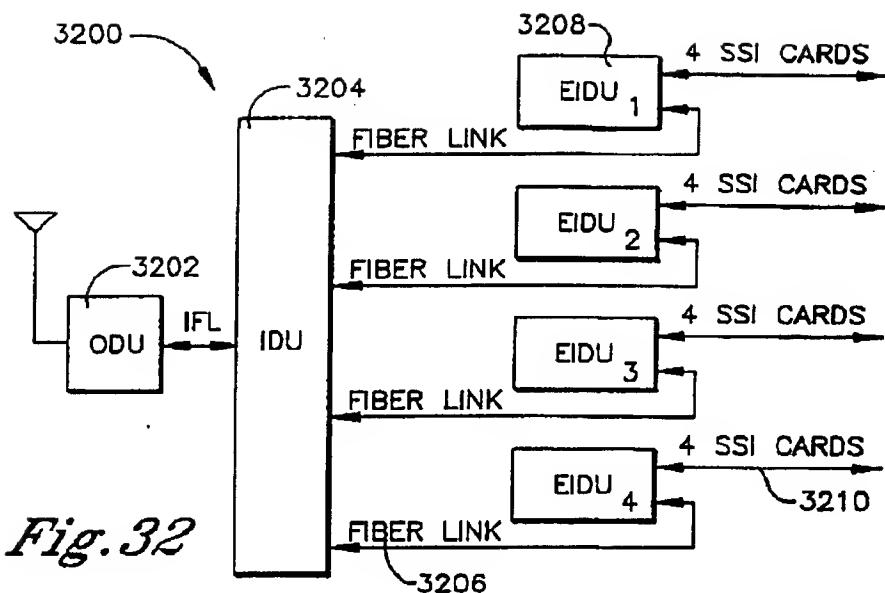


Fig. 32

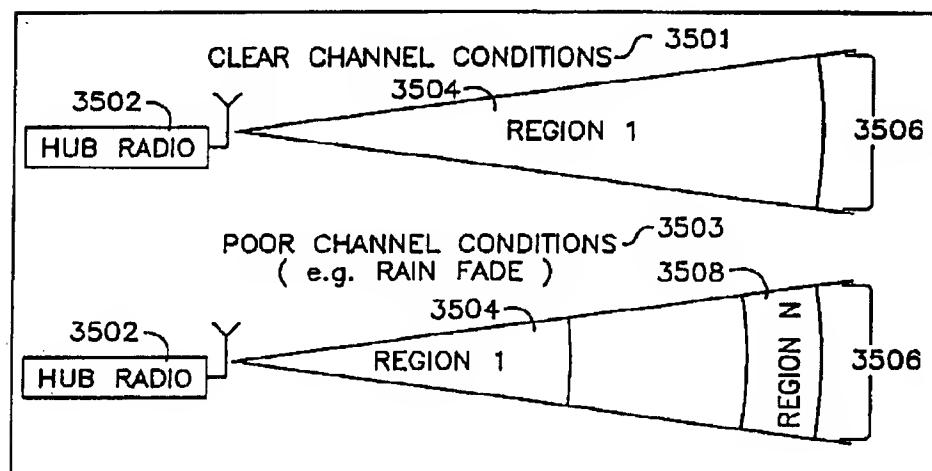


Fig. 35

32/42

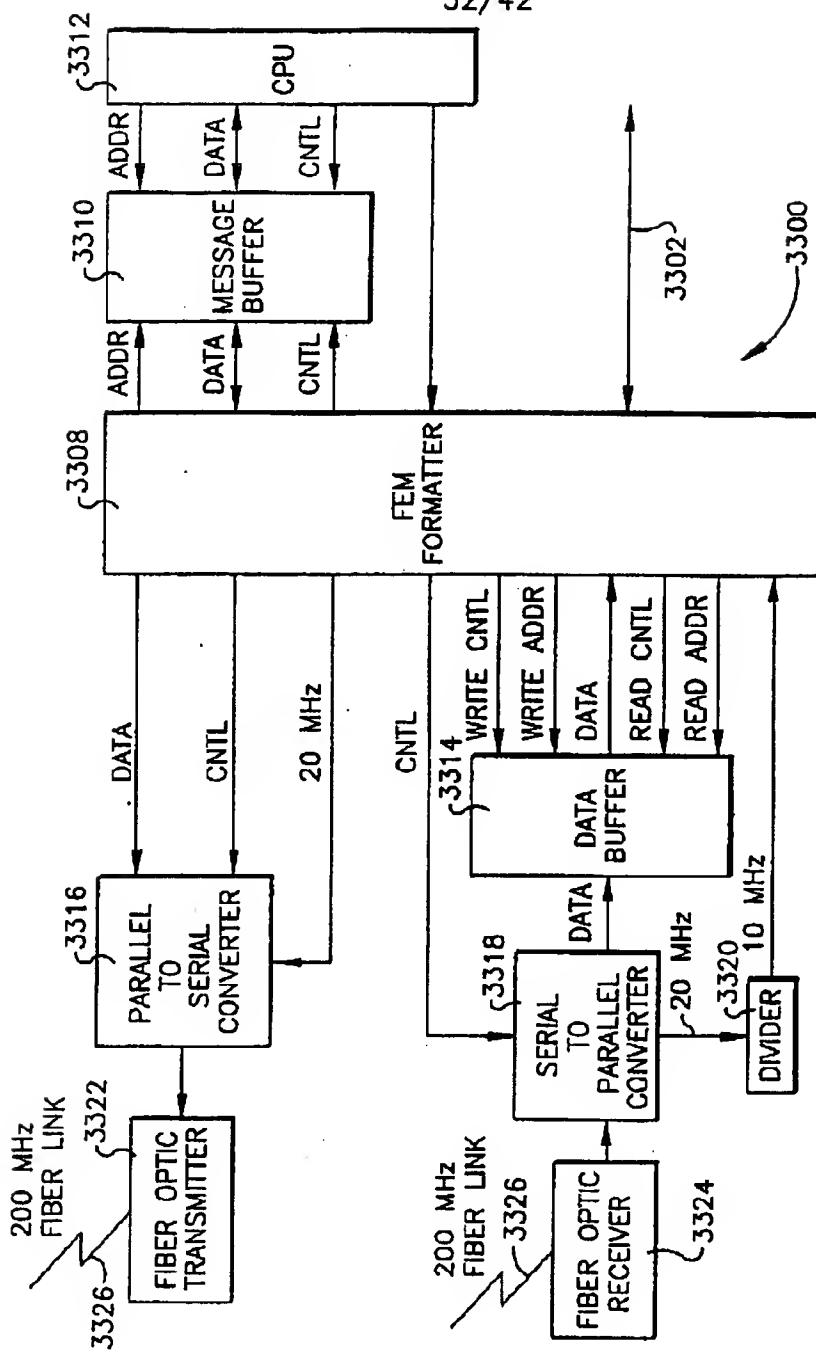


Fig. 33

33/42

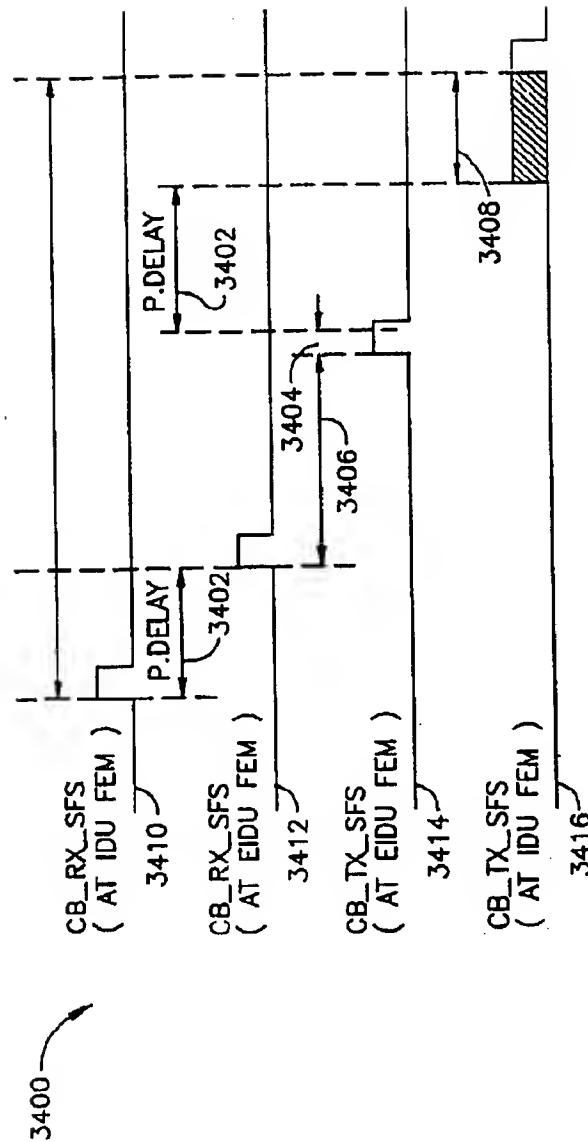


Fig. 34

34/42

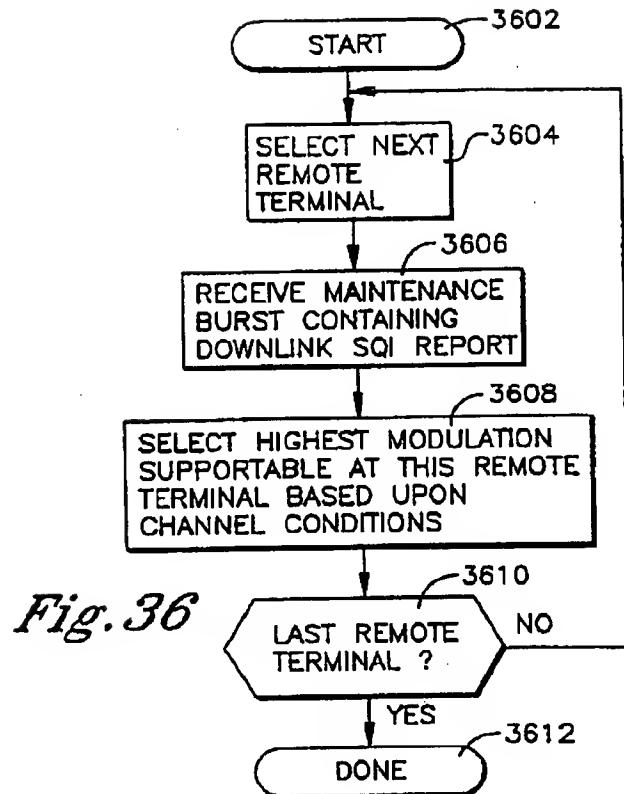


Fig. 36

35/42

Fig. 37

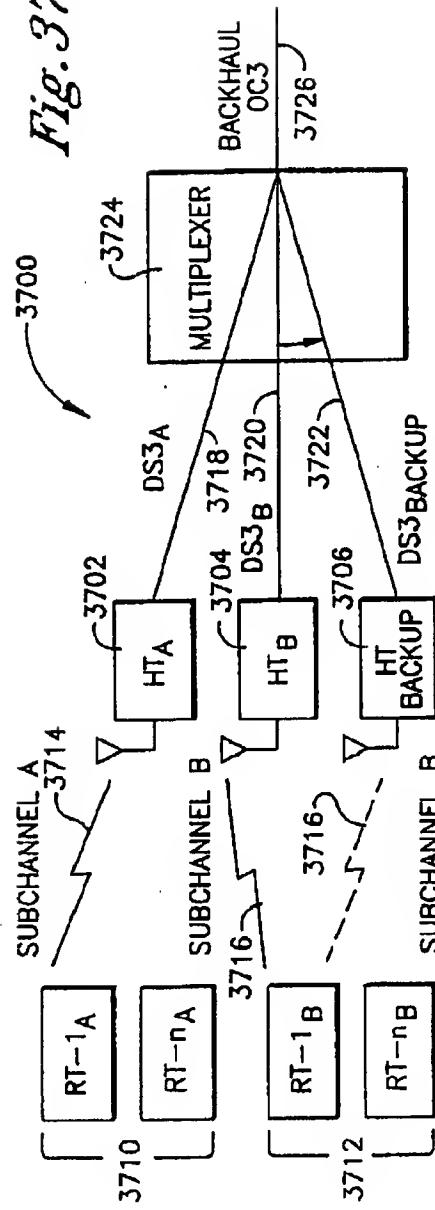
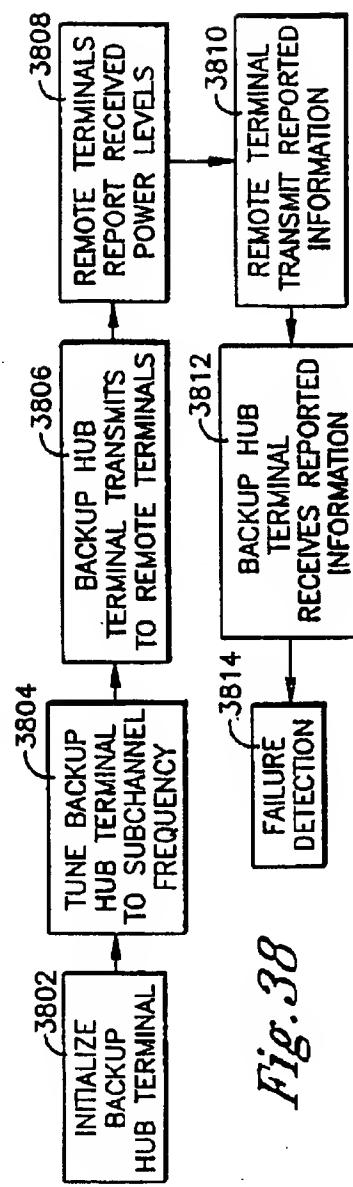
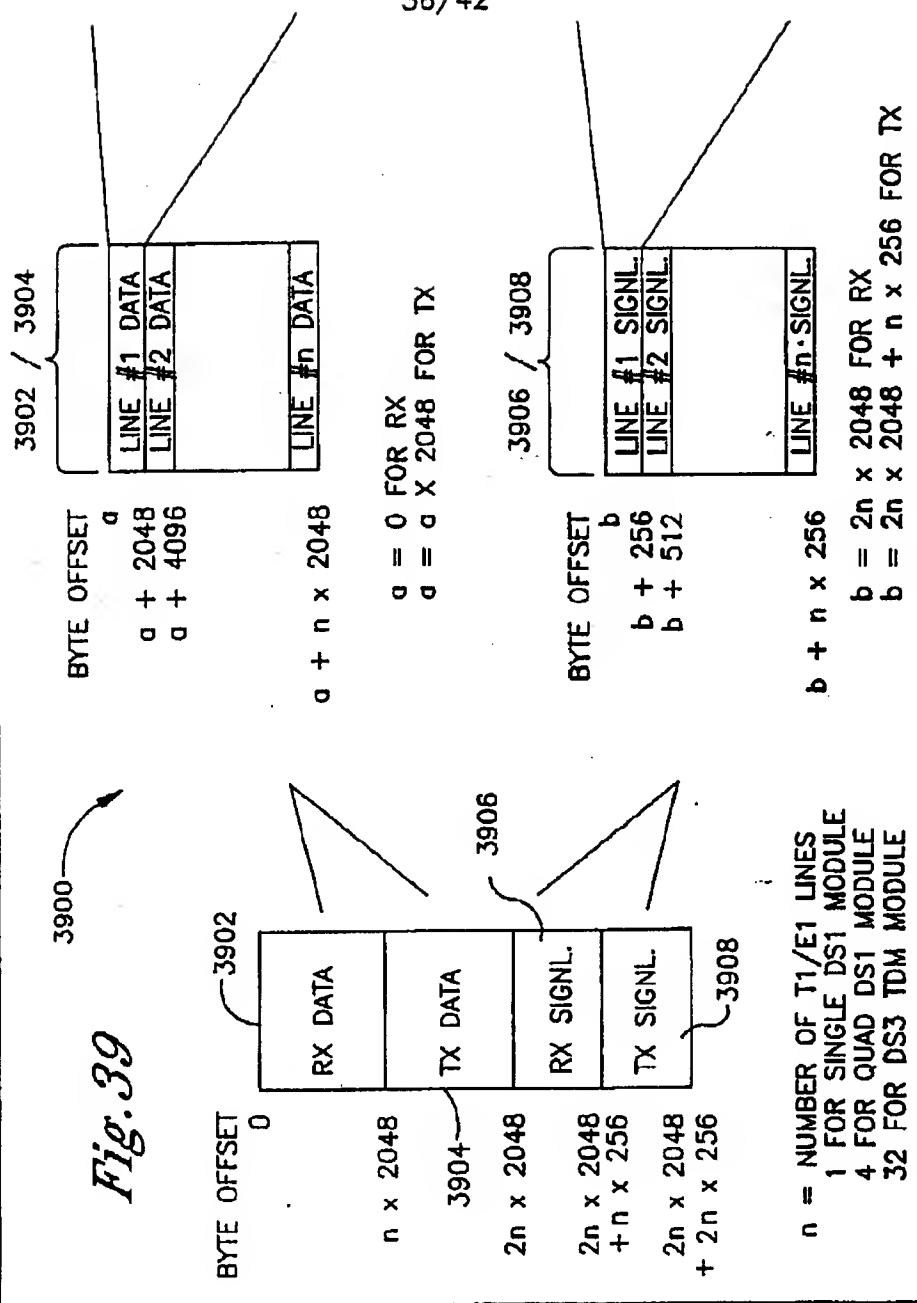


Fig. 38

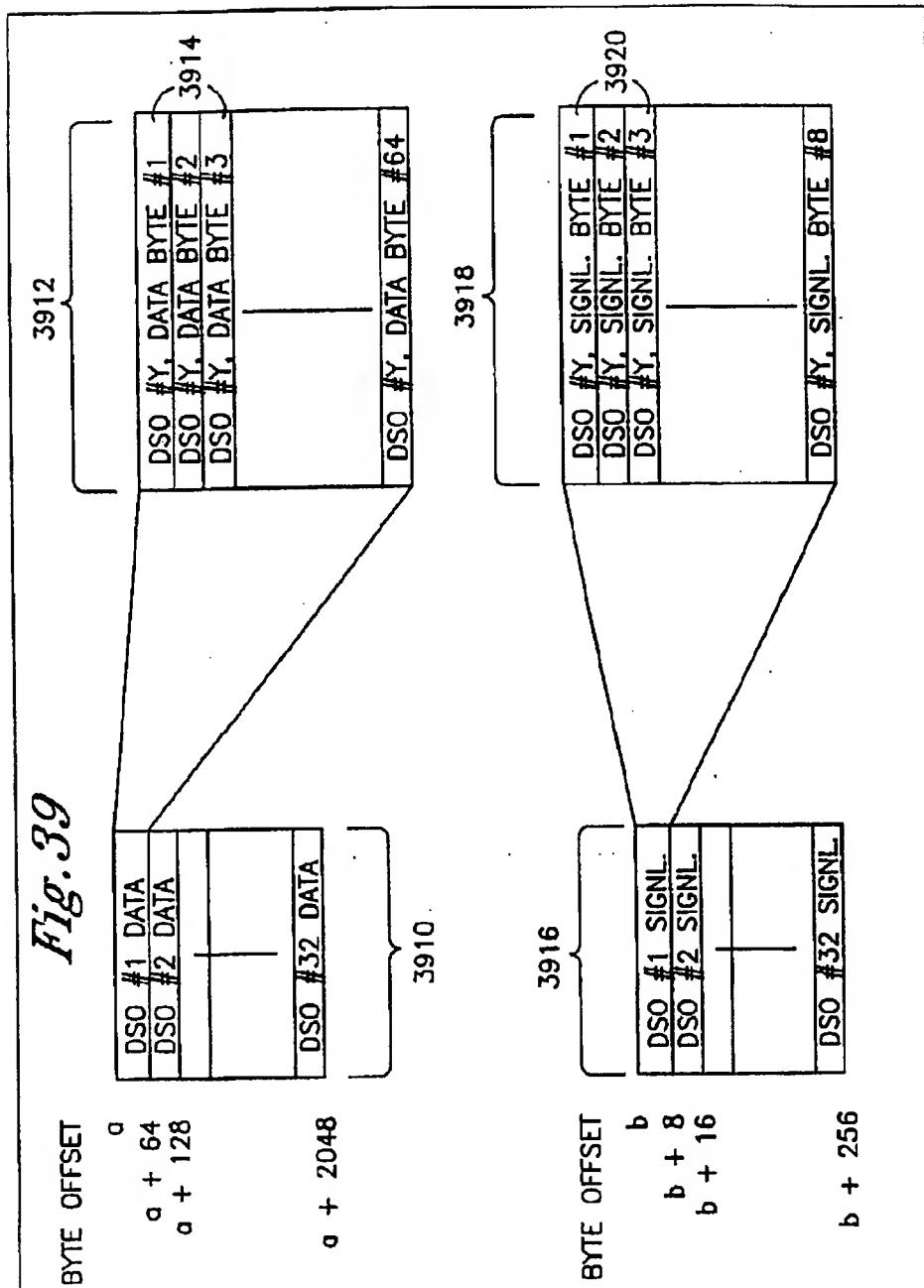


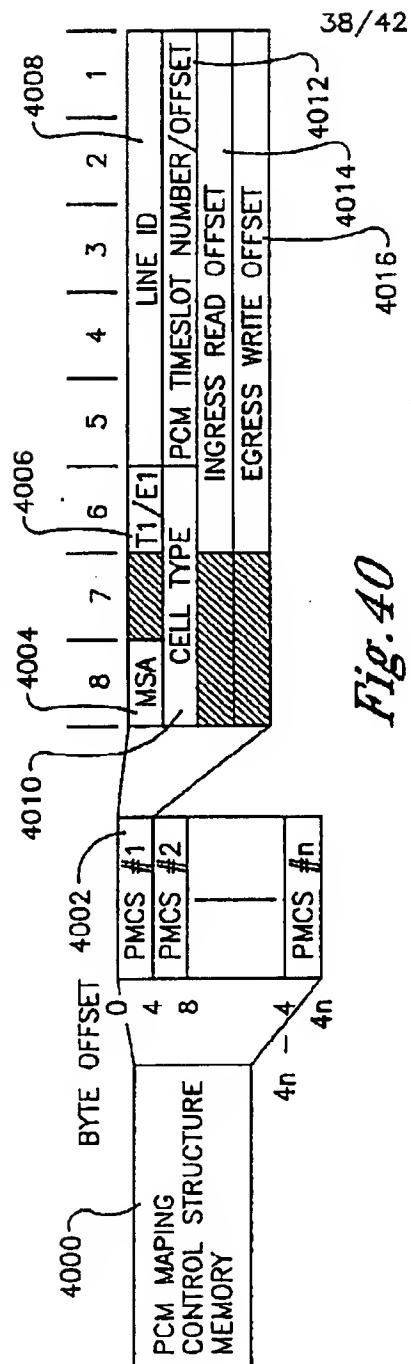
36/42



37/42

Fig. 39



*Fig. 40*

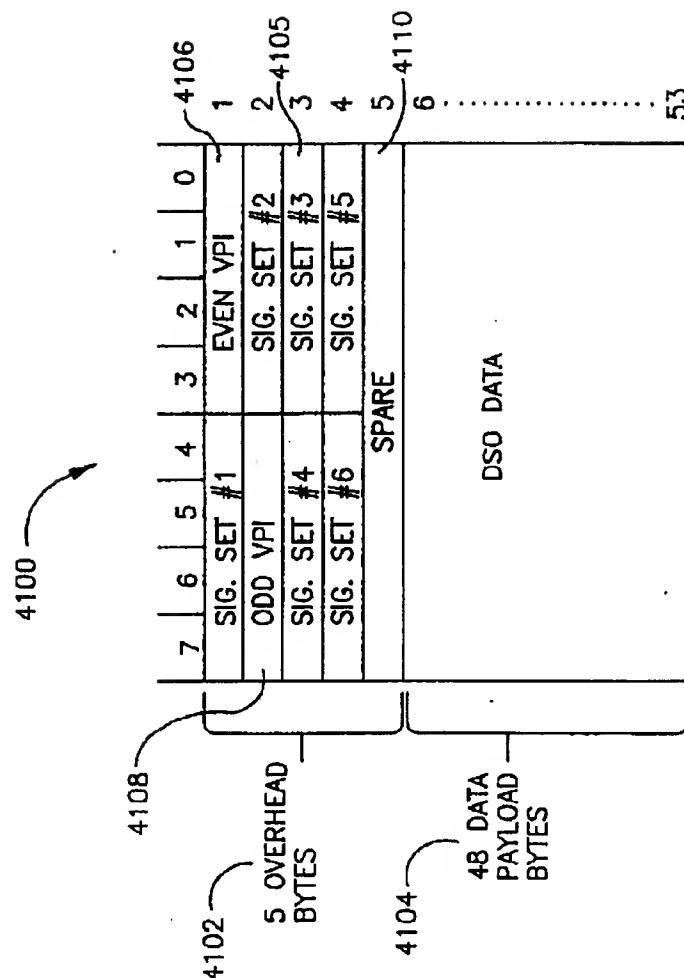


Fig. 41

40/42

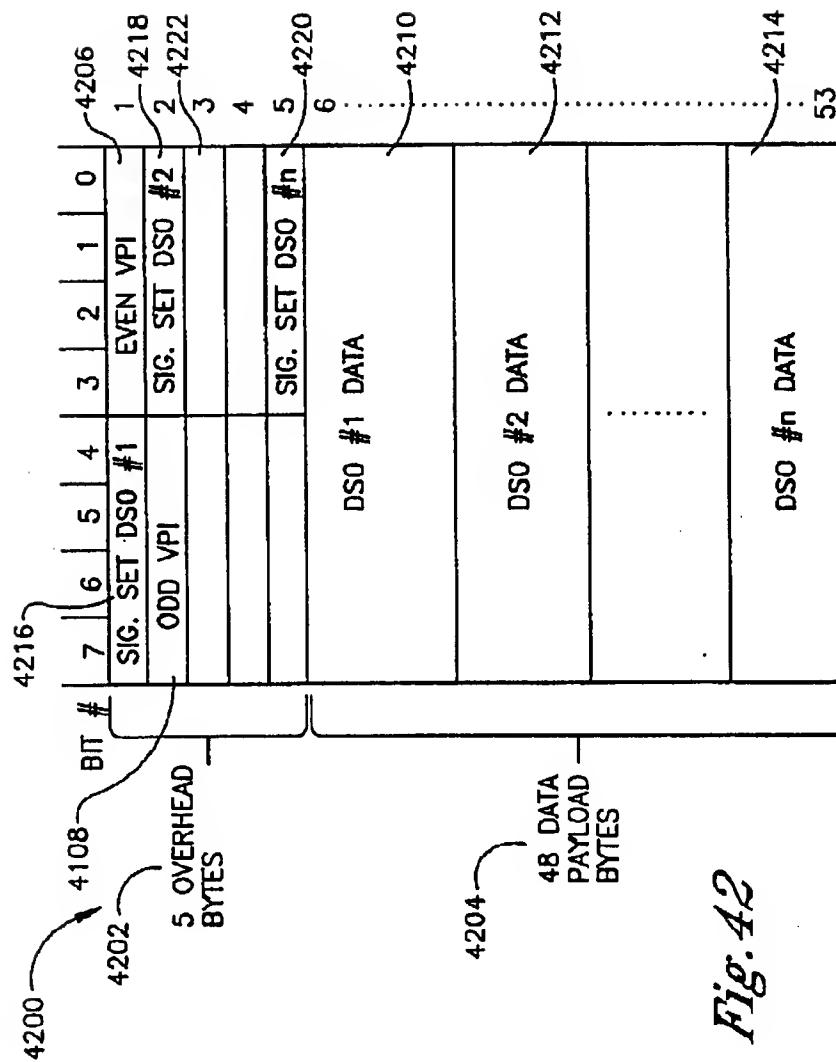


Fig. 42

41/42

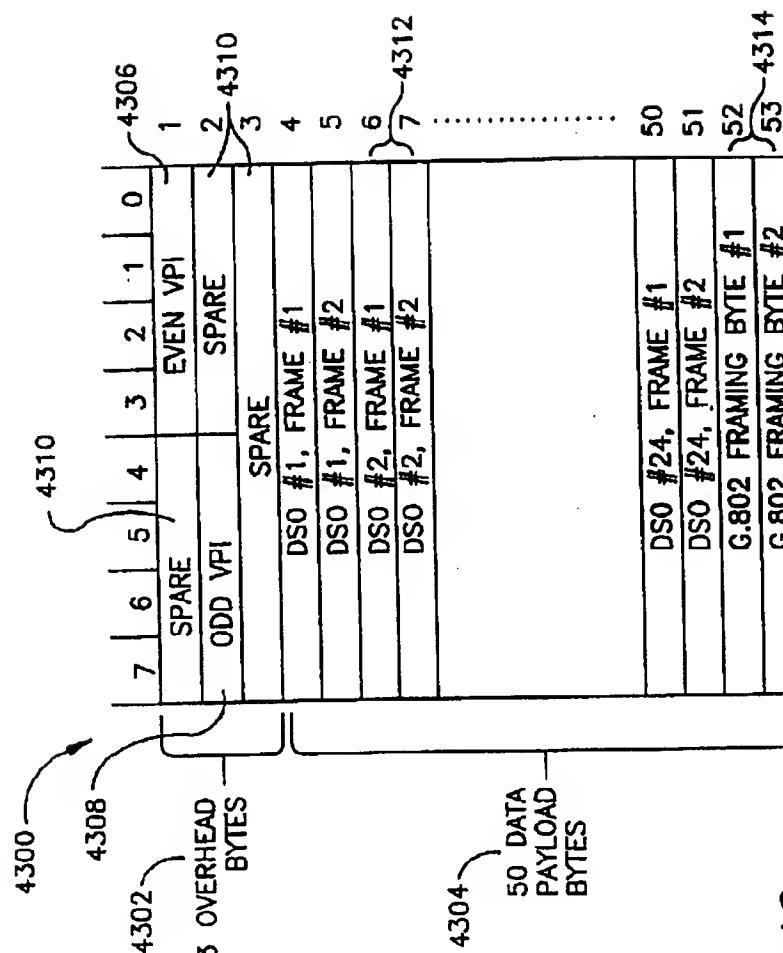


Fig. 43

42/42

